

FOR A BETTER WORLD



İÇDAŞ SUSTAINABILITY REPORT 2015

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ABOUT OUR REPORT¹

We are proud to present the forth the 2015 sustainability report that aims to explain our works that direct our economic, environmental and social performance and our sustainability vision as well as its results to our stakeholders.

With our sustainability report, we provide our stakeholders with the opportunity to evaluate the measurement, monitoring and improvement works we conduct with regard to management of our affects that occur as a result of our activities.



Scope of our Report and Restrictions

In our works we conduct with our managers, we took into consideration the steel and energy production, which are the main business lines of İÇDAŞ, in determining the strategic matters. Information contained in this report covers activities of all facilities of İÇDAŞ between 1 January 2015 and 31 December 2015 unless otherwise stated.

Principles of our Report

We prepared our report based on GRI Global Reporting Initiative (see www.globalreporting.org) which is globally recognized GRI G4 in accordance option Core

In addition to significance, sustainability context and integrity principles of GRI, we took into account World Steel Association's

Sustainable Steel Production Performance Indicators.

We carried our commitments for corporate responsibilities up to international dimension by signing UN Global Principles Convention in 2012. We increased our awareness regarding "Sustainable Development Goals (SDG) determined by UN Global Network in 2015 and included our practices related to compliance with UN principles in our report.

Our Next Report

We are planning to issue our next report, where we aim to explain our 2016 sustainability performance, in the first half of 2017.

¹G4-17

OUR MESSAGE TO STAKEHOLDERS²



Bülend Engin
General Manager

Dear Stakeholders,

In our fourth report incorporating economic, social and environmental performance of İÇDAŞ in 2015, we strive to share our targets in regard to our practices pertaining to how we manage and develop our influence area in line with the sustainable development.

We carry on our operations in steel and energy industries with critical significance in sustainable development of Turkey and taking a sound economic structure to the future. İÇDAŞ is a steel, energy and ship producer holding employer, contractor and investor qualities and environmentally friendly and innovative technologies. 2015 has turned out to be a negative portrait in terms of steel industry. While raw steel production of our country declines in the rate of 7,4 %, the said decline has been construed as the sharpest third shrinkage following Ukraine and the USA among the biggest 15 steel producers. Although our country has been adversely affected from recession in the world steel industry, our country has been in the biggest tenth steel exporter position in the world with 16,76 million tonnes since 2015. While steel industry demonstrated an adverse performance in 2015 when compared with 2014, orientation of global increasing capacity surplus of producers by a wide range of countries primarily China and Russia has been effective from the prices with damping to the world markets. In a period where international competition is vehemently implemented, we have carried out 9,3 % of steel production of our country in our Değirmencik Integrat-

ed Facility located in Biga, Çanakkale. In addition to this, we have maintained steel export to 34 countries and have reached the 17th company position performing the most export of our country. İÇDAŞ covered approximately 4 % of the electricity generated by private sector in Turkey with 8,13 billion kWh in 2015 in energy generation. We have met the electricity generation with 11,9 million kWh we have generated as İÇDAŞ from sustainable energy resources through RES we commissioned in 2015.

Besides economic effects of our industries on the country and society, we are well aware of our social and environmental impacts arising out of our operations. We have managed our important economic investments we have created since our establishment as a whole with our social and environmental responsibilities and we have created requisite systems and infrastructure to maintain our current insight. While creating this infrastructure, we have taken into consideration 10 fundamental principles set out with the objective of protecting human rights, improving working conditions, conserving environment and preventing corruption for the business world set forth by the United Nations Global Compact and we entered into force the United Nations Global Compact (UNGC) in 2012. Under the leadership of world leaders in 2015, we have been closely pursuing 2030 Sustainable Development Goals (SDGs) set out for the purpose of putting severe poverty to an end and combating injustice and adapting climatic changes and we devise the operations we have conducted for sustainable development in line with UNGC Sustainable Development Goals.

In this report, while managing sustainability commitments, you will have an opportunity for reviewing the practices we have been executing and their results. While identifying our influence areas that we shall manage in respect of sustainability, we have set off by considering the issues with vital importance for whole humanity such as biodiversity and reduction of natural resources alongside energy supply safety and renewable energy resources. In this current year, we have revised the issues we have focused on the meetings held with our directors and employees. We have strengthened our commitment to sustainability by conducting a myriad of interviews by taking as a basis the contribution of İÇDAŞ to regional development together with our public stakeholders and the expectations of our public stakeholders from İÇDAŞ. Our report incorporates a critical section on which we have conveyed valuable opinions and views of our public stakeholders.

OUR CONTRIBUTION TO THE ECONOMY

Given the economic impacts, our growth investments, our local and national economic contributions are the issues coming to the fore. All investments we have made to our business hold indirect contributions to the national economy and society. Foundation of our environmental and social investment is also based on our sound financial structure.

We continue to provide support as İÇDAŞ to 100 Coasters Turkish Star Project stipulating renewal of Turkish Maritime Trade Coaster Fleet initiated in 2012. This year, we have launched Turkish Star-3.5000 DWT general cargo ships on sea. We have initiated construction of Turkish Star-4.5000 DWT general cargo ship.

Direct investment have made so far on Çanakkale lands is over 5.5 billion dollars. We employ our employees from the locals in the rate of 83% at Değirmencik Facility. Positive consequences of our local employment policy are frequently mentioned with our public stakeholders; that unemployment issue in Biga region has been resolved thanks to İÇDAŞ is strongly emphasized by our stakeholders.

THE VALUE WE HAVE ATTACHED TO OUR EMPLOYEES AND SOCIETY

In all our operations and investments, occupational health and safety and our relations with employees and the locals constitute our primary social impact. It is our mission to ensure our working environment to be safe and efficient, to provide our employees with fair working environment, to establish communication with our employees, to recognize personal reliability and development opportunities. Based on the data we have obtained from the surveys we have conducted each year, satisfaction and welfare of our employees are continuously increasing.

While devising our social and environmental investments, we duly act by taking into account the priorities of the local people we refer as "our neighbours" inhabiting in these areas where our facilities are located. Since our establishment, we have carried out and shall carry out several works in regard with increasing life quality of society, improving educational opportunities and social life and meeting social requirements.

We sustain our education (UMEM Specialized Vocational Training Project, schools, scholarships) and sport (İÇDAŞ Sport Club) investments embracing young population in our region and our investments pertinent to maintaining our cultural heritage addressing entire society (Troia, Kemer Parion and Apollon Smintheion Excavations Sponsorship) as a holistic approach.

OUR SENSITIVITY TOWARDS ENVIRONMENT

We carry on our operations in the industries holding high environmental impacts. Our practices such as emission management we have sustained for the purpose of conserving climate, waste management we have executed for the purpose of preventing environmental pollution and our studies within the framework of water management we have initiated for the aim of conserving natural resources constitute a vital part of our enterprise.

Total budget amount we have allocated to the projects we have developed for the purpose of conserving environment is over 290 million TL in 2015. 32 % out of this budget accounts for operating expenses of environmental investments.

Through our Artificial Reefs and Biodiversity Support Project, we continue to maintain our studies we have initiated for the purpose of conserving living being diversity in the geography we carry on our operations. We have 15 wind power plants this year as an important investment in main heading of efficiency studies and renewable energy.

Our primary goal in waste management is recovery of the wastes. We separately collect all wastes including the wastes received from ships in our port in compliance with the legislation and send them to licensed recycling facilities and we either recycle or dispose of them. We disposed of 78 % of the wastes in Değirmencik Facility and 88 % of the wastes in Bekirli Facility by way of recovery. Our objective is to cancel out the waste volume send for landfill until 2020.

We have been managing water issue in İÇDAŞ Değirmencik Integrated Facility under the name of "Sustainable Water Management Project" since 2007. While we fully meet our requirements of water in our facilities from the sea, as İÇDAŞ, our continuous goal is to carry out sustainable development and growth and to enhance environmental and social values we have created for our stakeholders. If you share your questions relating to the information contained in this report and other opinions and suggestions with us, this shall help us create more value towards you.

Bülend Engin



OUR CORPORATE PROFILE³

As İÇDAŞ, the biggest private sector steel producer with its production capacity and one of the institutions which carry out the highest level of exportation in our country, we have been manufacturing steel since 1970.

³G4-03

As İÇDAŞ, the biggest private sector steel producer with its production capacity and one of the institutions which carry out the highest level of exportation in our country, we have been manufacturing steel since 1970.

In addition to steel production, we operate in the fields of energy, shipyard, logistics (sea, land), transportation (air), port management, construction, insurance, mining, agriculture and husbandry.

Our Değirmencik Integrated Facility that is subordinate to Biga district of Çanakkale incorporates three steel plants with five and a half million ton/year capacity, three rolling plants with three million tons/year capacity, three-unit 405 Megawatt thermal power plant, shipyard, two piers, one dock, the biggest private sector port facilities with daily 30 thousand tons of loading capacity and 60 thousand tons of unloading capacity and auxiliary facilities of these units.

İÇDAŞ Bekirli Thermal Power Plant located in Çanakkale satisfies all electrical energy requirement of over 2,6 million people with an installed capacity of 1.236 MW.





OUR PRODUCTS⁴

Log, construction steel, and wire rod we produce in our steel facility and electrical power we produce in our plants are products with international standards. While steel products are used in such sectors as construction, automotive and machine manufacturing, electricity generated in thermal plants is transmitted to corporate customers via state network. We include the ships we produce in our shipyard predominantly into İÇDAŞ's own fleet.

⁴G4-04



Log, construction steel, plain bar and commercial bar are the starting points for such rolling materials as profile and wire rod. They are long, square and continuous casting semi-finished products with varying cross sections of 100 mm-200 mm.



Construction steel is a type of steel that was produced as an alternative to flat surface construction steel that is used in reinforced concrete structures, that has replaced it in time and that has protrusions (nervures) on their surfaces.



Wire rod is a semi-product metal rod which is made by hot rolling, generally has round cross-section and which is rolled in form of bobbin. It is used in production of welding electrode, steel mesh, wire, bolt, spring and similar products.



The electrical power generated in our thermal power plants is transmitted via TEDAŞ (Turkish Electricity Distribution Inc.) to many points from banks and finance sector to malls and restaurants, schools, houses and public bodies as well as customers operating in fuel, informatics, steel, finance and investment, construction, food, concrete, electronics, energy, logistics, mining, automotive, health, agriculture textile and transportation, and notably hotels and industrial organizations.



Electricity generation amount provided for in our Wind Power Plant project we execute in Biga region is 192.895.200 million KW hour annually. 120 thousand tons carbon release mitigation will be enabled with this production amount. First Wind Power Plant turbines (12 turbines) with a total generation capacity of 60 million KW hours were put into service within 2015 and 11,9 million KW hours electricity generation was achieved. With our wind power plant turbines, we aim to create portfolio diversity, preserve ecological balance as well as achieving carbon trade.



To date, we have produced 13 ships including chemical tankers and dry cargo vessels and one towboat. We landed Turkish Star-3 cargo ship, which we started constructing in 2014 on water in September 2015 and started construction of Turkish Star-4 cargo ship in June 2015.



İÇDAŞ FIGURES IN 2015⁵

• ECONOMIC •

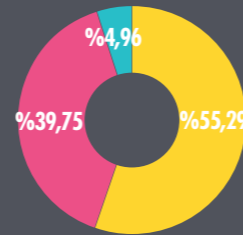
CORPORATE PROFILE

6,88 Billion TL
Consolidated Net Sale



SUSTAINABILITY PROFILE

■ Steel %55,29
■ Energy %39,75
■ Other %4,96
Distribution of Net Sales



675 Million USD

17th Company
of Turkey in terms of exportation

34

Number of Countries to
which we perform exportation
(2015)



1.692 MW

Total Installed Capacity -Thermal Power Plants

Bekirli - %73

1.236 MW

Değirmencik - %24
405 MW



Wind Power
Plant - %3

51,2 MW

8.136.463.288 kWh

Electrical Generation

İÇDAŞ Electricity %67,45

İÇDAŞ Steel %32,40

WPP %0.15

(3,98% of the total electricity generated by
private sector in Turkey in 2015)

İÇDAŞ FIGURES IN 2015

• SOCIAL •

CORPORATE PROFILE

4624

Number of Group
Employees



7.828.235 TL

Our Social
Investments



SUSTAINABILITY PROFILE

% 83

Değirmencik Facility
Local People Employment Rate



• ENVIRONMENTAL •

290.103.150 TL

Our Environmental Investment
and Operation Expenses



15.000 ton

Capacity of Steel Scrap we
recover in 1 Day



2,94 million ton

Raw Steel Production
(9,3% of Turkey's total raw steel generation)

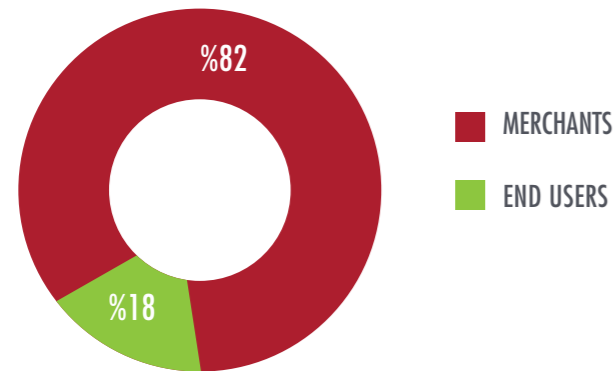
(Rates on Turkey are based on data from Turkish Steel Producers Association and Turkish Electricity Transmission Corporation)

• OUR GROUP COMPANIED AND THEIR ACTIVITY AREAS⁶ •

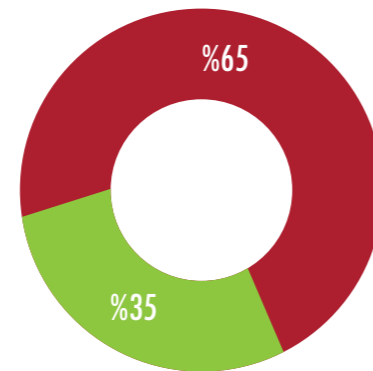
OUR GROUP COMPANIED AND THEIR ACTIVITY AREAS	
OUR COMPANIES	ACTIVITY AREA
İÇDAŞ Çelik Enerji Tersane ve Ulaşım San. A.Ş.	Steel Production, Electricity Generation, Naval Construction
İÇDAŞ Elektrik Enerjisi Üretim ve Yatırım A.Ş.	Electricity Production
İÇDAŞ Elektrik Enerjisi Toptan Satış İthalat ve İhracat A.Ş.	Electricity Sales
DEMİR SANAYİ Demir Çelik Ticaret ve Sanayi A.Ş.	Rolling
ERAS Taşımacılık Taahhüt İnşaat ve Ticaret A.Ş.	Land Transportation
BİGAİR Havacılık ve Taşımacılık Sanayi ve Ticaret A.Ş.	Airway
İÇDAŞ Dış Ticaret A.Ş.	Agriculture and Husbandry
İÇDAŞ Sigorta Aracılık Hizmetleri A.Ş.	Insurance
İÇYAPI İnşaat Taahhüt ve Ticaret A.Ş.	Construction

• OUR CUSTOMER PROFILE⁷ •

Our International Steel Customers



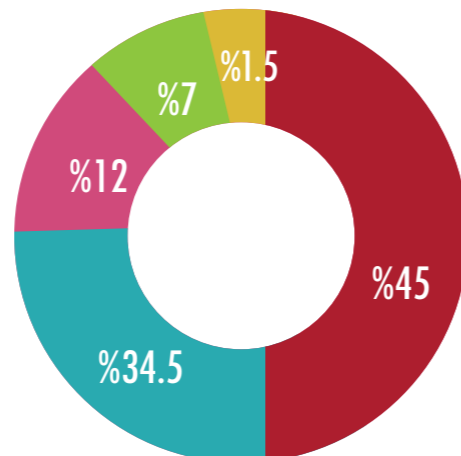
Domestic Steel Customers



End Users: Construction companies, wire-nail-bolt, steel mesh and electrode producers

Merchants: Distribütörler, aracı firmalar

Steel Exportation Market

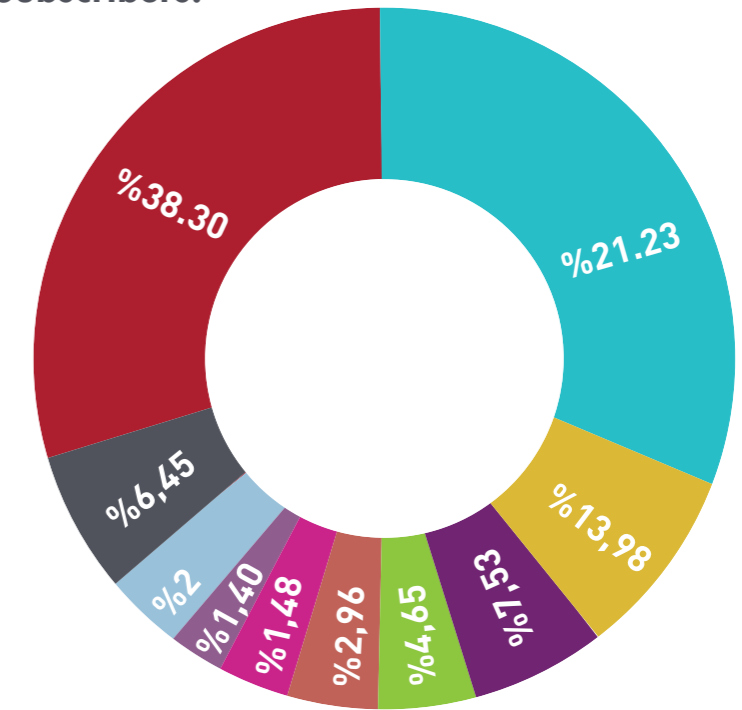
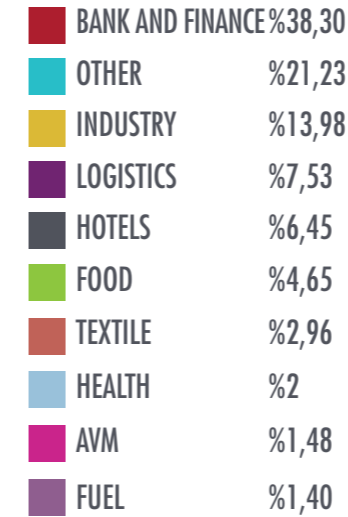


⁶G4-13 / ⁷G4-08

Distribution of our Electricity Customers

Number of Our Electricity Subscribers:

2496



• IMPORTANT DEVELOPMENTS IN REPORTING PERIOD⁸ •

- We landed Turkish Star-3 cargo ship on water in September 2015.
- We started construction of Turkish Star-4 cargo ship in June 2015.
- We put 16 wind power plants with 51,2 MW, total capacity of which was 60 MW and total quantity of which was 12.

⁸G4-13

CORPORATE MEMBERSHIPS⁹

ASSOCIATIONS, FOUNDATIONS, CHAMBERS AND UNIONS	İÇDAŞ REPRESENTATIVE IN THE ADMINISTRATION	DUTY
Chamber of Shipping	Bayram Yusuf ASLAN	Member
BİSİAD - Biga Industrialists and Businessmen's Association	Bülend ENGİN	Member
BİSİAD - Biga Industrialists and Businessmen's Association	Şerif MUTLU	Member
BSTP - Biga Civil Society Platform	Şerif MUTLU	Member
BSTP - Biga Civil Society Platform	H. Agah AYHAN	Member
CARES Sustainability Committee	Mustafa BALCI	Member
CARES Annual Technical Committee Meetings	Enver ÖZGÜN, Mustafa BALCI	Committee Member
Çanakkalespor Football Club Association	Tuncay TAVUS	Board Member
ÇİB – Steel Exporters' Association	Adnan ASLAN	Board Member
ÇİB – Steel Exporters' Association / Technical Committee Work	Enver ÖZGÜN, Mustafa BALCI, Ediz ÖKSÜZ, Nilgün AKSOY	Unrecorded Economy Prevention/Product Tracking System— Committee Member
ÇTSO - Çanakkale Chamber of Commerce and Industry	Bülend ENGİN	Board Chairman
ÇTSO - Chamber of Commerce and Industry	Şerif MUTLU	Council and Accounts Commission Member
Union of Railroad Transportation (DTD)	Ali Zeki ERCAN	Member
Chamber of Shipping (DTO)	Naci ASLAN	Council Member
ENSAR Foundation	Şerif MUTLU	Board Member
EUROFER - Eurofer The European Steel Association	Corporal	Member
EÜD – Electric Producers' Association	Bülend ENGİN	Board Member
GAN TÜRKİYE – Global On-the-Job Training Network	H. Agah AYHAN	Member
GİSBİR – Turkish Shipbuilders' Association	Corporal	Member
IREPAS – International Construction Iron Producers' and Exporters' Association	Murat Cebecioglu	President
İKV – Economic Development Foundation	Corporal	Foundation Supporter
İMMİB - Istanbul Mineral And Metals Exporters' Association	Corporal	Member
İSO – Istanbul Chamber of Industry	Ayhan ASLAN	Professional Committee Member
İSO - Istanbul Chamber of Industry	Enver ÖZGÜN	Environment Specialization Board (ÇİK) Member
İTO - Istanbul Chamber of Commerce	Corporal	Member
KİSAD – Lime Association	Corporal	Member
KOSDER - Koster Owners and Operations Association	Hakan BASA	Member
MESS – Turkish Metal Industrialists Union	Corporal	Member
MÜSİAD – Independent Industrialists and Businessmen's Association	Şerif MUTLU, Ömer Faruk ÖZDEMİR, İsmail YAMAN, Mustafa BALCI, Murat ÖZTÜRK, Eyüp TAN	Board of Supervisors and Directors Member
TÇÜD – Technical Quality Committee	Enver ÖZGÜN, Mustafa BALCI	TSE 708 – Updating works on Construction Steel Rod Standard.
TÇÜD – Turkish Steel Producers' Association	Bayram Yusuf ASLAN	Board Chairman and High Advisory Council Member
TÇÜD - Turkish Steel Producers' Association	Tacettin ASLAN	High Advisory Council Member
TÇÜD Steel Journal, Broadcasting Board Member	Bülend ENGİN	Member
TMD – Associations of Miners of Turkey	Naci ASLAN	Representative
TSE – Turkish Standards Institute	Enver ÖZGÜN, Mustafa BALCI	Mirror Committee Member (Standard Preparation and Expressing Opinions with regard to Steel sector)
TURMEPA - Turkish Marine Environment Protection Association	Özge ÖZENSOY	Member
TÜRK TRADE - Foreign Trade Association Of Turkey	Corporal	Member

⁹G4-16





STRATEGY AND MANAGEMENT

We carry our activities with our vision to offer products and services at universal standards and qualities in steel and energy sector and our leadership in fulfilling our responsibilities for the community and environment. As İÇDAŞ, we aim to be among the top 10 companied in İstanbul Industry Chamber and preserve our success in the capacity of responsible industrialists.

According to the sustainability questionnaire we conduct with our employees, agreement rate to the expression “İÇDAŞ manages all business procedures by observing transparency, fairness, accountability and responsibility (corporate management) principles” increased by 4% compared to the previous year.



• CORPORATE MANAGEMENT ¹⁰ •

Members of the Executive Board of İÇDAŞ, which is a family company, are responsible for practices in parallel to the company’s economic, environmental and social performance equally. Each of the members, and notably founders of the company, is experienced people of Turkish business life that leads their sectors. Key approach of our executive board in terms of self-evaluation is achieving growing and sustainability targets of the company. All of our executive board members, who may have different positions in all our companies, have executive functions in these companies. Executive boards of the companies are composed of family members and there are no independent members.

Members of the executive board manage the risks and opportunities regarding sustainability daily because of their executive functions and there are constantly in contact. The executive board follows its position in Turkey’s top 500 industrial establishments as well as data and report of TÇÜD about the sector regularly and makes decisions instantly, if necessary.

Our companies use SAP system to achieve internal control and risk management including sustainability risks. The Executive Board defined its present and potential

risks and determined the policies for these risks. Our policies determined to manage the sustainability-related risks are contained in İÇDAŞ Management Policies Book.

The Disciplinary Regulation, which contains the rules to be applied at workplaces for actions in violation of worker’s health, labour safety, information safety and business discipline, is composed of principles that should be followed by all our employees. Relevant complaint cases are handled by the disciplinary board if they are related to issues covered by the Disciplinary Board or department managers and directors in the case that other matters are concerned.

The most important communication channel by which the Executive Board takes suggestions and opinions of employees is İÇÖS Recommendation System. 10 recommendations reached the system from our employees in 2015 and 5 recommendations that were deemed feasible by our management were put into practice. The recommendations that were put into practice were about increasing labour and material efficiency and decreasing labour safety risks.



•SUSTAINABILITY MANAGEMENT¹¹•

As İÇDAŞ management, we aim to increase sustainable steel and energy production by prioritising the matters of environmental management, labour safety and quality and benefiting from innovative management culture and up-to-date, scientific, efficient and effective work methods. Enabling our employees and the residents of the region to live in a healthy and clean environment constitute the basis of our sustainability strategy.

By signing UN Global Compact in 2012, we carried the values and principles we have embraced since the day we were established up to a corporate responsibility dimension in global sense. We promise the whole world that we will be a good “corporate citizen” with this compact that is based on respect for environment and human rights, ensuring a healthy work environment, fighting corruption, high-quality production and social responsibility mentality.

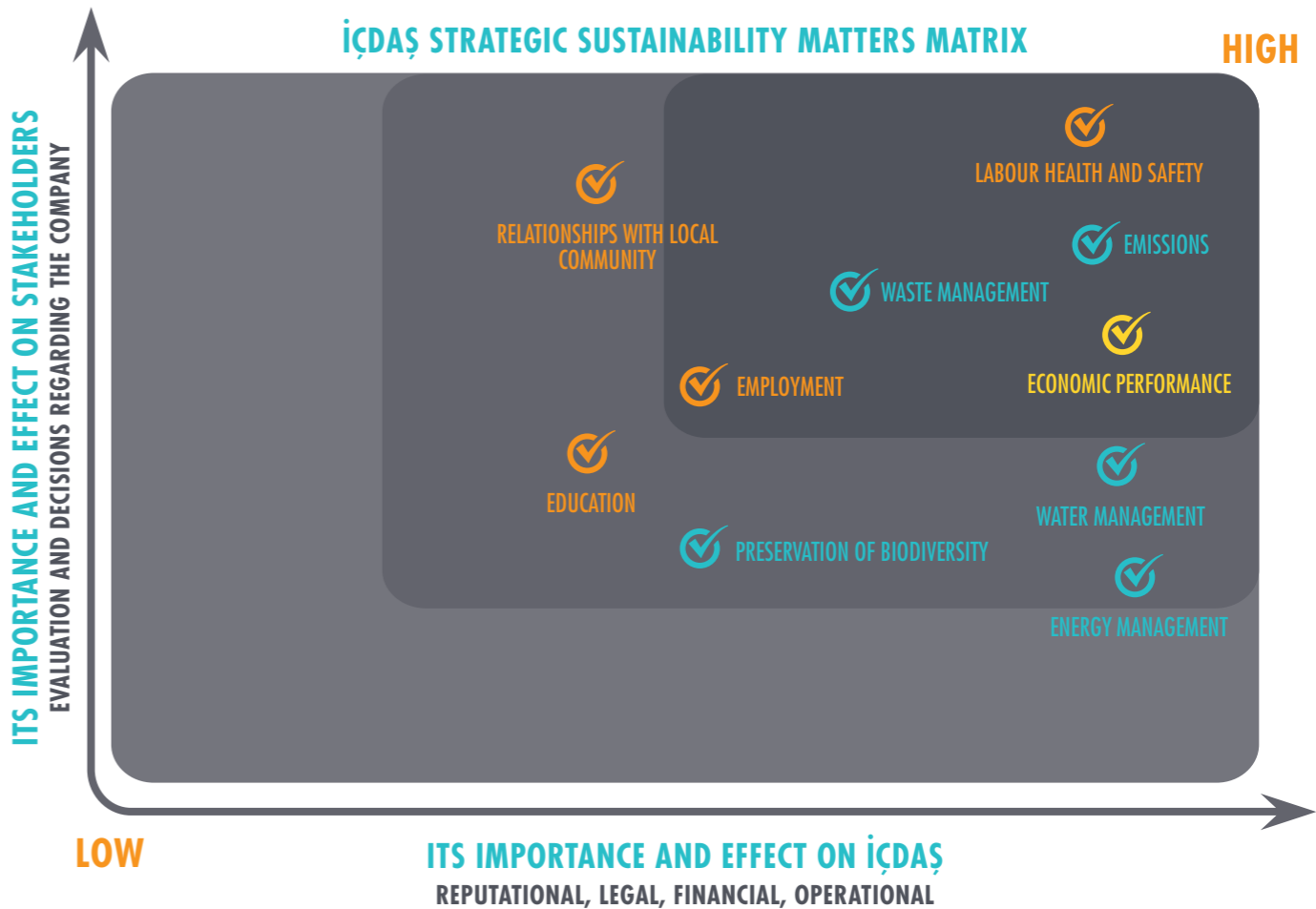
Creating value for our stakeholders in all our processes constitute the basis of our mentality. The principles we have specified in order to render our sustainability mentality more clear and comprehensible for our stakeholder also represent our constant commitments for the purpose of managing our sustainability effects in all businesses and investments of our company.

¹¹G4-20 / G4-21

•OUR STRATEGIC SUSTAINABILITY ELEMENTS¹²•

The strategy questionnaire we conducted with the participation of our high level administrators as well as the results of the sustainability evaluation questionnaire in which our employees participated in helped us to evaluate and better understand our triple effects from the perspective of our employees.

As a result of the evaluations we made with our administrators in the strategy workshop, we examined the matters of strategic importance for our company separately in terms of environment and community; we carried out the prioritization work and formed İÇDAŞ Strategic Sustainability Matrix.



Matters that affect reputational, legal, financial and operational performance of our company and that have greater importance both for our company and our stakeholders were contained in right upper part of the table. These matters constituted the main headlines of the report and we explained related performance of our company in detail within the report with data.¹³

Our main purpose in our desire to form such a matrix is to be able to specify the matters that our priority stakeholders, as much as our company, places importance on and decide on our plans and targets within the framework of these matters. We aim to exchange ideas with higher number of our stakeholders and improve the matters we will focus on and corresponding current aims in the periods ahead.

G4-20 G4-21 G4-25

¹²G4-18 / G4-22 / G4-23 / ¹³G4-19



• OUR SUSTAINABILITY PRINCIPLES¹⁴ •

- Determining and using the technology that is convenient for preservation of environment, prevention and elimination of pollution, developing projects and ensure their implementation,
- Taking the necessary measures by determining the waste management policy related to our establishment in order to dispose of the pollutants caused by our establishment in such a way as to give no harm to the environment and improving our environment performance constantly,
- Reducing CO₂ emissions caused by products and services,
- Formulating constantly growing and developing performance criteria with management systems and objectives,
- Abiding fully by national laws and regulation and international conventions that pertain to our sector in terms of environment and conducting any kind of measurements, analyses and controls based on environmental standards and ecological criteria in order to conserve the environment and prevent pollution,
- Ensuring that economic decisions are considered together with ecological decisions so as to improve our position in the sector in a balanced and constant manner,
- Ensuring utilization of natural resources needed in our production within the framework of sustainable development by upholding their protection-usage balance,
- Developing operational policies by taking into consideration demands of all implementing agencies and organizations, non-governmental organizations as well as people living around us,
- Preventing environmental accidents and occupational accidents,
- Implementing a continuous education program for our employees in order to render the environmental practices effective and increasing environmental awareness.

G4-20 / G4-21 / ¹⁴G4-22 / G4-23

INTEGRATED MANAGEMENT SYSTEMS		
MANAGEMENT SYSTEM STANDARDS CERTIFICATES	OUR CORRESPONDING FACILITIES	DATE
ISO 27001 Information Safety Management System	Steel Facilities (Non-Production Unites)	2014
Shipyards Facility Safety Certificate	Shipyards	2014
ISO 17025 Laboratory Quality Management System	Environmental Control Laboratory, Fatigue Test Laboratory	2012
ISO 14064-1:2006 Greenhouse Gas Emission Verification Standard	Steel Facilities, Power Plants, Shipyards, Lime Facility, Port	2012
ISO 50001 2011 Energy Orientation System	Steel Facilities, Power Plants, Shipyards, Lime Facility, Port	2011
CARES BS 8902:2009 Sustainability Management System	Steel Facilities	2011
ISO 14001:2004 Environmental Management System	Steel Facilities, Power Plants, Shipyards, Lime Facility, Port	2005
OHSAS 18001:2007 Labour Health and Safety Management System	Steel Facilities, Power Plants, Shipyards, Lime Facility, Port	2005
CARES BS EN 9001:2008 Quality Management System	Steel Facilities	1998
ISO 9001 2008 Quality Management System	Steel Facilities, Power Plants, Shipyards, Lime Facility, Port	1994
OUR EC CONFORMITY CERTIFICATES	OUR CORRESPONDING FACILITIES	DATE
Steel Slag Aggregate Production - EN 13043:2004	Steel Slag (Artificial Aggregate) Facilities	2015
Steel Slag Aggregate Production - EN 12620:2003	Steel Slag (Artificial Aggregate) Facilities	2015
Quality Assurance System Conformity Certificate Ready Mixed Concrete Production - TS EN 206-1:2002/A2:2006	Bekirli Ready Mixed Concrete Facility	2013
G Conformity Certificate Ready Mixed Concrete Production - TS EN 206-1:2002/A2:2006	Bekirli Ready Mixed Concrete Facility	2013
Fly Ash Production - TS EN 450-1:2006	İÇDAŞ Elektrik Enerjisi Üretim ve Yatırım A.Ş.	2012
Aggregate Production - EN 12620:2003 and EN 13242:2002	Havdan Limestone Aggregate Facilities	2012
Steel Slag Aggregate Production - EN 13242:2004	Steel Slag (Artificial Aggregate) Facilities	2012

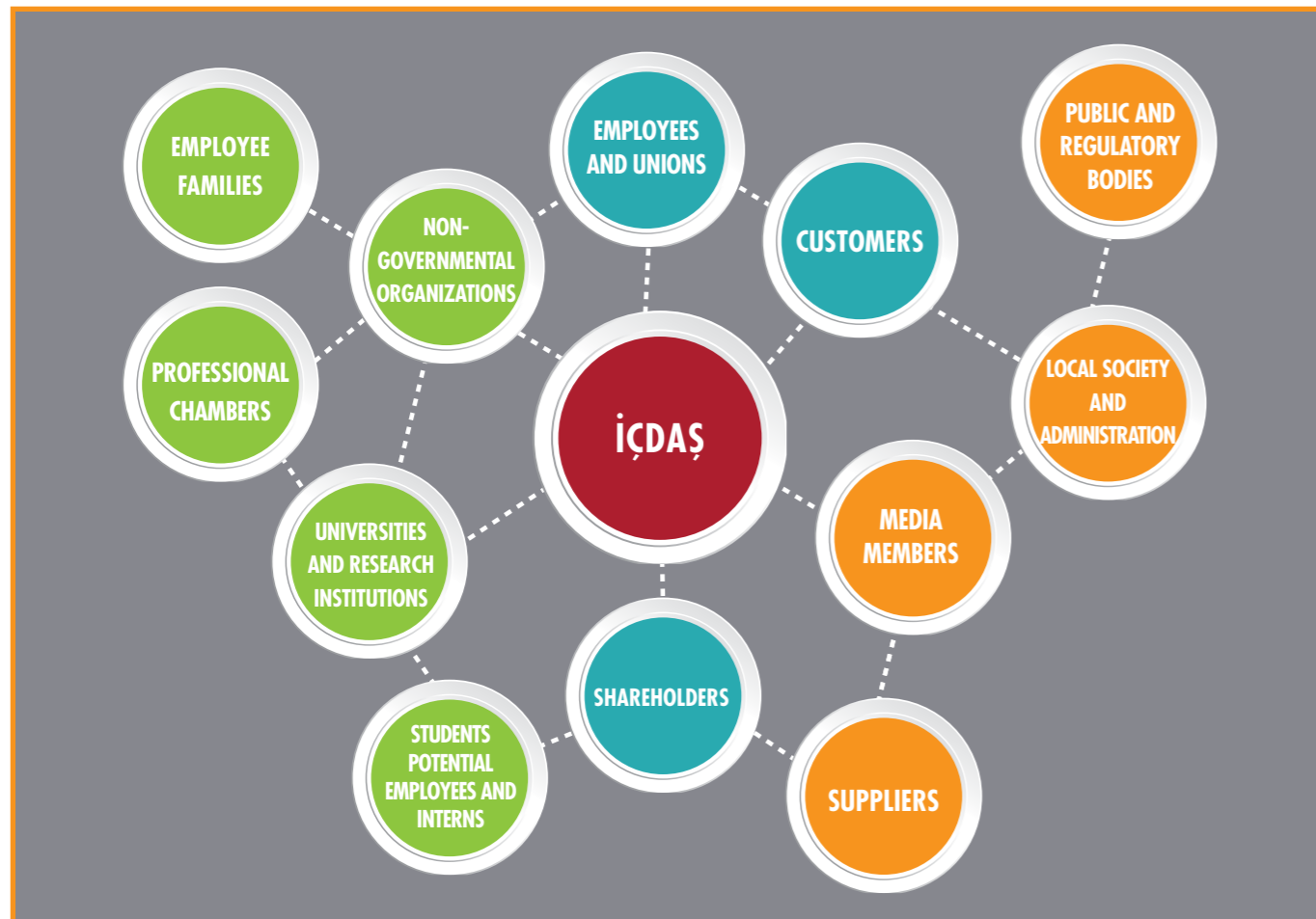
• COMMUNICATION WITH OUR STAKEHOLDERS¹⁵ •

82% of our employees participating in sustainability questionnaire say: "Positive impacts of İÇDAŞ on Turkish economy are known and appreciated by all stakeholders. Satisfaction level of our employees in this regard showed a 3% positive increase compared to last year.

Our stakeholders are the people and bodies that are affected by our activities today and in the future and that have impacts on the economic, social and environmental values we create with their behaviours and decisions at the same time. As İÇDAŞ, we establish communication with all our key stakeholders, inform them in various platforms or take their opinions about our activities.

In order to be able to make self-evaluation about our sustainability performance, the sustainability questionnaire, which we conducted with participation of our 741 employees from all of our facilities, was also applied in this reporting period as it was in the previous years.

As a result of the sustainability definition questionnaire, which we materialized with participation of our senior administrators and the strategy workshop we conducted following this, we reviewed our key stakeholders who have the most intense economic, social and environmental interaction with our company and our strategic priorities.¹⁶



We have platforms where we can exchange ideas and information with our stakeholders at least once a year.

OUR STAKEHOLDERS	COMMUNICATION PLATFORM	COMMUNICATION FREQUENCY
Employees and Unions	İÇÖS, Intranet	Always
	Labour Health and Safety Meeting	Monthly
	Notice Boards	Always
Shareholders	Executive Board Meeting	Weekly
Customers	Call Centre and Customer Portal	Always
	Seminar-congress- fairs	A few times in a year
	Mutual visits	Always
	Product Information Brochure	A few times in a year
	Factory visit and briefing	Once in a year
Public and Regulatory Bodies	Personal meeting	Indefinite
Local Community and Administrations	Personal meeting	A few times in a week
Professional Chambers / Industrial Chambers	Memberships	Monthly
	Presentations on environment, Labour Health and Safety etc.	A few times in a year
Non-governmental organizations	Memberships	Monthly
Employee Families	Cultural trips	A few times in a year
	Picnic and social organizations	Weekly
Suppliers	Ethical Supply Policy Information	Once in a year
Media Members	Personal meetings	Weekly
	Telephone, e-mail, social networks	A few times in a week
Universities and Research Institutions	Introductory factory visits and presentations	1-2 times in a week
	Occupational education	Always
Students / Potential Employees/Interns	Introductory factory visits and presentations	1-2 times in a week
	Presentations on environment, labour health and safety etc.	1-2 times in a week

•STAKEHOLDER OPINIONS¹⁷•



HAMZA ERKAL, Governor

“IT SHALL BE A GREAT HONOUR AND SATISFACTION FOR US IF İÇDAŞ SHALL BE A SPONSOR TO SOCIAL RESPONSIBILITY PROJECTS ORGANIZED IN OUR DISTRICT, PROVIDE A SUPPORT TO EDUCATION AND SCIENTIFIC DEVELOPMENT IN OUR UNIVERSITY.”

İÇDAŞ ranks in the first 10 industrial organizations of our country in terms of investment, production, export and employment capacities of our country. Within this context, that this company carries on its operations in Biga district is a real honour for our province and our country. We would also feel appreciation in receiving contribution and support of İÇDAŞ in vocational schools, university, social projects and publicity activities in our province.

Production operations of İÇDAŞ are divided under three main headings. Service production such as iron-steel production, energy generation and shipyard, mining and transport. These three industries I have listed hereinabove are the industries having a strategic importance for our country. These industries provide high employment rates and added values. İÇDAŞ is a facility having production and quality standards in the world wide basis.

Contributions of İÇDAŞ to economical and social development and contributions it has offered to the citizens and public institutions located in Biga and in its vicinity can be clearly observed. Development of educational institutions, supply and sub-industry branches and service sector is a prominent indicator of this process. This contribution of İÇDAŞ has caused a locomotive effect and led to development of iron steel clustering in both Biga Organized Industrial Zone and our region.

In this regard, it is needed to highlight another consideration. The most remarkable trait of İÇDAŞ in terms of our country is that it has reached a large share of export and a wide range of export market. İÇDAŞ makes a substantial contribution to our objectives of reducing our deficit of 500 Billion Dollars export and current transactions for 2023 in the incentives it has offered to investment and service sectors of our state.

Another point that needs to be emphasized herein is that such large scale of industrial organizations have a considerable immense contribution in fulfilling a development rate between 4-5 % per year and maintaining its stability although our country is in a ring of fire and it shelters approximately 4 million refugee mass. In the visits to Biga and Award Ceremony of Value Adders to Biga Economy, I have an opportunity of closely observing such developments. It shall be a great honour and satisfaction for us if İÇDAŞ shall be a sponsor to social responsibility projects organized in our district, provide a support to education and scientific development in our university.

On this opportunity, we congratulate firstly the shareholders and directors of this organization providing prominent contributions to our province and country and wish that their contributions to the economy of our country are increasingly enhanced.

•STAKEHOLDER OPINIONS¹⁷•



İSMAİL IŞIK, Biga Mayor

“İÇDAŞ HAS BROUGHT IN A NEW ENVIRONMENTAL PERSPECTIVE IN THE ISSUE OF RENEWABLE ENERGY TO OUR REGION.”

İÇDAŞ, which is one of the prominent organizations of Çanakkale and Turkey and the world, gains holistic benefits among the economic benefits it has brought in to our region. After participation of İÇDAŞ, the metal union that is the biggest civil society in Biga and even in Çanakkale has joined our social and cultural life. İÇDAŞ has significantly reduced the employment issue in Biga by providing employment to approximately 5000 employees. İÇDAŞ maintains its support in all areas in respect with the requirements of our municipality within the context of the region and has been providing contributions and sponsorship to most of cultural-artistic activities held by our municipality. İÇDAŞ is a very important social stakeholder with the projects it has conducted with Çanakkale 18 March University and infrastructure aids it has performed for the villages of Biga. Upon the operations of İÇDAŞ in our region, economic transformation and development efforts in Biga have surprisingly improve other districts.

İÇDAŞ is deemed worth of awards each year within the scope of environmental management. I really find very important the display system measuring air quality in 7/24 basis in our region installed by İÇDAŞ. We witness that İÇDAŞ has been producing in accordance with international standards, fulfilling continuous environmental inspection monitoring air quality. Sustainability issue of energy is of utmost importance in all regions where the industries are located. 19 RES units having commenced to produce energy by İÇDAŞ have gained a new environmental perspective in the issue of renewable energy to our region. We kindly would like to extend our gratitude to İÇDAŞ for their sensitivity in the issue of environmental management and social projects it has conducted so far.

•STAKEHOLDER OPINIONS¹⁷•



ÖMER ŞAHİN, Çanakkale President of Provincial Council

“İÇDAŞ HAS A VISIONARY STRUCTURE DISPLAYING SENSITIVITY TO ECOLOGICAL ISSUES AND OFFERING CONTRIBUTIONS TO CULTURAL DEVELOPMENT OF THE REGION.”

İÇDAŞ is one of the leading organizations in development of both Biga and entire Çanakkale region. İÇDAŞ has given impetus to development of Biga and has brought in vitality to the region by making a significant contribution to the heritage of Biga. I believe that the local population with 46000 today shall gradually increase and the development in Biga peninsula shall attract other investors to our region. Given a vision of 25-30 years, I believe that a regional expansion shall be experienced in terms of industry and commerce in coastline of Çanakkale. One of the biggest levers constituting this project is that the strait shall be constructed soon. Another lever is that İÇDAŞ started to operate in the region 14 years ago. In addition to this, İÇDAŞ is not an organization preoccupied with only “production” issue.

İÇDAŞ has a visionary structure displaying sensitivity to ecological issues and offering contributions to cultural development of the region. İÇDAŞ Congress Hall, nature and biodiversity studies, beekeeping, orchards and fattening farms are some of these important contributions supported by İÇDAŞ in Çanakkale. I believe that İÇDAŞ shall be a leading stakeholder in the future in evaluation of the potential of geothermal resources in our region it possesses in terms of both industry and tourism and investment expectations in geothermal issue shall be carried out under the leadership of İÇDAŞ.

•STAKEHOLDER OPINIONS¹⁷•



ERDAL ASLAN, The District Director of Biga National Education

“BIGA HAS COME TO THE FORE IN VOCATIONAL EDUCATION AS A RESULT OF THE ACTIVITIES EXERCISED BY İÇDAŞ.”

As regards our social stakeholders, İÇDAŞ is the institution we have opened maximum courses and we have mostly interacted with. Given the population increase of Biga in the last ten years, we witness that this increase has occurred upon arrival of İÇDAŞ employees at Biga. New requirements arise in the region with multiplier effect thanks to factory employees of İÇDAŞ; an economical improvement affecting all tiers of society emerges. While aging rate of our population is increasing, the young population arriving at Biga from outside cities provides us with new students. 15 % of the students currently come to Biga from other districts depending on their preferences on high school level. Other districts demand İÇDAŞ Industrial Vocational High School more than before. Biga has become a hub of regional attraction in the last 2-3 years together with support of İÇDAŞ in the field of vocational training. “Biga has come to the fore in Çanakkale within the scope of vocational education as a result of the activities exercised by İÇDAŞ.”

Based on our current data, education of Biga and success of the students rank in second number after Çanakkale-Merkez district. Given the last two-three years in the student success, trend is always going up. In addition to this, our students are trained in Karabiga under the light of sport culture thanks to the support provided by İÇDAŞ. After one of our schools in Karabiga has become the champion of Turkey in the field of basketball, İÇDAŞ has become a sponsor for constructing a sport hall to the region. Thanks to this support of İÇDAŞ, our students are able to perform basketball sport from the primary school 2nd class. Besides, employees of İÇDAŞ are well equipped in the issue of social and cultural aspects. That İÇDAŞ has been coordinating the projects to be performed with our students and student parents in our region in the social and cultural field, İÇDAŞ employees that are the students parents have been pioneering the other firms in this field and new generation is raised with the values of İÇDAŞ in educational field is of very valuable gain in terms of social aspect.

•STAKEHOLDER OPINIONS¹⁷•



ŞADAN DOĞAN, Chairman of Biga Chamber of Industry and Commerce

“İÇDAŞ HAS RESOLVED UNEMPLOYMENT ISSUE IN THE REGION WITH COMPREHENSIVE HUMAN RESOURCES STRATEGY EXTENDING FROM EDUCATION TO EMPLOYMENT.”

Presence of İÇDAŞ in Çanakkale and Biga provides gigantic gains in order for industrial culture to be improved and expanded in our region. Given the extent of employment opportunities, İÇDAŞ makes a positive contribution to regional economy of Biga by employing personnel from primarily Biga and other districts of Çanakkale. Training projects held by İÇDAŞ in vocational high schools in Biga create a significant added value within the scope of intermediate-workforce needed by the regional industry and İÇDAŞ has resolved unemployment issue in the region with comprehensive human resources strategy extending from education to employment. İÇDAŞ is also very accomplished in our region in the field of sustainable energy with 19 RES projects that it has commissioned.

Energy is one the issues required to be resolved by our country and that sustainable energy resources are being installed in our region by İÇDAŞ makes us happy in terms of sustainability vision of Biga industry. As Biga Chamber of Industry and Commerce, we conduct a wide range of reviews regarding “environmental sensitivity” and we mention the significance of environmental management. Within this context, no adverse issue relating to İÇDAŞ has been reflected to Biga Chamber of Industry and Commerce. Upon this opportunity, we congratulate the board of directors and all employees of İÇDAŞ for environmental sensitivity it has been leading so far.



Our strategic matters from the perspective of our stakeholders¹⁹:

SUBJECTS	EMPLOYEES AND UNIONS	SHAREHOLDERS	CUSTOMERS	SUPPLIERS	MEDIA	LOCAL COMMUNITY AND ADMINISTRATIONS	PUBLIC
Economic performance	★★★★★	★★★★★	★★★	★★★★	★★	★★★★	★★★
Employment	★★★★★	★★★★	★★★	★★	★★	★★	★
Labour Health and Safety	★★★★★	★★★★★	★★★	★★	★★★★	★★★★	★★★★
Education	★★★★★	★★★★	★★★	★★	★★	★★	★
Local societies	★★★	★★★★	★	★★★★	★★★★	★★★★	★★★★
Emissions	★★	★★★★	★★	★★	★★★★	★★★★	★★★★
Biodiversity	★★	★★★★	★★	★	★★★★	★★★★	★★★★
Energy	★★★	★★★★	★★★	★	★★	★	★★★
Water	★★	★★★★	★★	★	★★★★	★★★★	★★
Waste water and other wastes	★★	★★★★	★★	★	★★★★	★★★★	★★★★

Our Cooperation with Stakeholders and Public Policy Development Activities²⁰:

In the environmental meetings organized by the Turkish Steel Producers Association (TÇÜD), which we are a member of, we create an opportunity to act together regarding common problems by exchanging information and experience about sector-related environmental issues. Through the Turkish Steel Producers Association, the executive board of which is chaired by our chairman of the executive board, we make cooperation with the public bodies in preparation of legislations. We contributed to preparation of many legislations as a result of these efforts.

Our company takes part in works that are organized by the Ministry of Environment and Urbanization and that are predominantly conducted in relation to alignment with the European Union Legislation. Our company has been a member of Tübitak MAM Industrial Services Cooperation Programme (EHİP) for eight years. We follow the developments occurring in many fields such as informatics, industry and environment via EHİP.

Along with the companies in the same sector that operate in Marmara Region, our company is one of the five partners (with equal shares) of Marzinc Marmara Geri Kazanım San. ve Tic. A.Ş., the recycling facility where flu dust with high zinc content can be processed.

Our Strategic Sustainability Objectives²¹:

OUR STRATEGIC SUSTAINABILITY MATTERS	OBJECTIVES	COMPLETION OBJECTIVE	COMPLETION STATUS	COMPLETED OBJECTIVES
ECONOMIC PERFORMANCE				
National and Local Economic Contributions	Analysing and using local ores in steel production	2019	Ongoing	Our works on usage of local ores continue
	Continuing coaster production within the scope of Turkish Star project	Continuous	Continuous	We landed Turkish Star-3 cargo ship on water in September 2015. We started construction of Turkish Star-4 cargo ship in June 2015.
	Raising our employment figures in local investments	Continuous	Continuous	We increased the number of shipyard personnel in 2015 because of ship manufactures.
	Continuous railway transport-wagon investments	2020	Ongoing	No wagons were added to 176 ones in 2015.
	Sea transportation- wagon carrying ship production investment	2020	In consequence of global economic decrease, objective revised to the year 2020	We landed Turkish Star-3 cargo ship in September 2015. We started construction of Turkish Star-4 cargo ship in June 2015.
	Cement and clinker facilities	2016	Ongoing	Facility works continued in year 2015.
SOCIAL PERFORMANCE				
Labour Health and Safety	Achieving zero accident rate	Continuous	Continuous	It is the continuous target. Education works continue all the time.
	Providing Labour Health and Safety training for 100% of our employees	Continuous	Continuous	We provided Labour Health and Safety training for all personnel who started work in 2015.
	Providing Labour Health and Safety training for 100% of our subcontractors	Continuous	Continuous	We provided Labour Health and Safety training for all subcontractors that started working in 2015.
Employment	Increasing satisfaction of our employees	Continuous	Continuous	We monitor by conducting satisfaction questionnaire. Our investments continue all the time to improve the physical conditions.
	Rendering İÇÖS Recommendation system more effective	Continuous	Continuous	We have collected 823 recommendations in total by the end of year 2015. We put 292 of these recommendations into practice.
Education	Providing 70500 man*hour education for our employees	2015	Completed	We provided 84874 man*hour education.

Our Strategic Sustainability Objectives²¹:

SOCIAL PERFORMANCE	OBJECTIVES	COMPLETION OBJECTIVE	COMPLETION STATUS	COMPLETED OBJECTIVES
Relationships with Local Community	Continuing our social investments mainly in the fields of education, sports and culture	Continuous	Continuous	We continue works and cultural investments within the body of İÇDAŞ Sports Club.
	Raising the number of people visiting our facilities up to 15.000 as of 2011	2020	Ongoing	993 people visited our facilities in 2015. Students made up about 97% of the visitors while NGO representatives constituted the remaining 3%.
	Continuing to provide education in Biga Occupational High School	Continuous	Continuous	In 2015, our 12 engineer friends working for İÇDAŞ delivered lessons of 29 hours in total weekly. These included basic lessons on steel and energy as well as lessons on environment, labour safety and quality.
	Introducing 200 youngsters to swimming, 300 youngsters to sailing and 300 ones to surfing every year	Continuous	Continuous	We achieved participation beyond the targeted figures
	Contacting greater number of youngsters by increasing the number of students within the body of the sports club	2015	Completed	Total number of students became 423, 215 of which were licensed.
	Continuing parion excavations main sponsorship	2018	Ongoing	Excavations continue
	Continuing Apollon Smintheion Excavations sponsorship	2021	Ongoing	Excavations continue
	Starting Troy excavations sponsorship	2020	Ongoing	Our excavations with 5-year sponsorship contract continue
ENVIRONMENTAL PERFORMANCE	OBJECTIVES	COMPLETION OBJECTIVE	COMPLETION STATUS	COMPLETED OBJECTIVES
Reduction of emissions	Decreasing road transport and focusing on railway and sea transportation	Continuous	Continuous	We performed our logistic activities mainly by sea and railway in 2015
	Raising the total number of planted trees up to 1 million	2023	Ongoing	We planted 1.673 saplings in 2015. 1300 of the saplings are Akasya trees.
	Raising our renewable energy rate to 3,6% in total energy generation	2016	Ongoing	16 turbines entered into service in 60 MW Wind Power Plant project in 2015. The objective is planned to be achieved in 2016.
	Monitoring and broadcasting the air quality in our facility impact area online	Continuous	Continuous	Data is monitored online by the Ministry
	Completing Biga Wind Power Plant investment	2016	Ongoing	16 turbines entered into service in 2015. We aim to complete it in the first half of 2016.

Our Strategic Sustainability Objectives²¹:

ENVIRONMENTAL PERFORMANCE	OBJECTIVES	COMPLETION OBJECTIVE	COMPLETION STATUS	COMPLETED OBJECTIVES
Waste Management	Reducing the amount of waste sent to sanitary landfill	2020	Ongoing	R&D works to use thermal power plant ashes in production of gas concrete continue. We aim to use coal ashes in gas concrete with the works performed by 18 Mart University
Water Management	Continuing to obtain fresh water from the sea and preserving the limited water resources	Continuous	Continuous	We continued to satisfy all water requirement of our Değirmencik and Bekirli facilities from the sea in 2015
Energy Management	Saving 30% on the energy consumed in lighting by using economical LED lights in field illumination	2016	Ongoing	Works continue
	Saving 2,5% on electricity consumption in arc furnaces by replacement of the previous regulation system of Steel Plant 1 Arc Furnace	2016	Ongoing	Works continue
	Reducing the maintenance work that is performed every other year for each mill and that is to last for a minimum of 9 days down to 4 days, putting it into service 5 days earlier and thus, saving 36.000.000 kWh	2016	Ongoing	Works continue
	Reducing service water consumption of around 2500 m ³ monthly in Bekirli Plant and saving 8000 - 9500 kwh/month	2016-2017	Continues	Turning the part of the service water that goes for the purpose of cooling hydrogen production facility and FGD booster fan into closed cycle and achieving saving are planned.
	Continuing TÜBİTAK MAM Environment Monitoring Project	2016	Continues	Reports for 2015 were prepared and works continue
Preservation of Biodiversity	Ensuring yearly reporting of biodiversity in the region where our Biga facilities are located	Continuous	Continuous	Works continue for preparing 2015 report

OUR ECONOMIC PERFORMANCE

Fulfilling our social and environmental commitments while growing in economically constitutes the basis of our corporate culture in İÇDAŞ. We believe that this triple trivet (environmental management, social responsibility and financial performance) are the most important pillars that ensure growth.



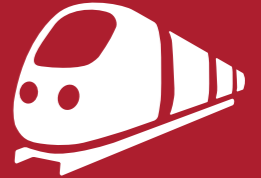
60 MW KARABIGA WIND POWER PLANT

We put 16 Wind Power Plants in 2015. We obtained 0.15% of our electricity generation from Wind Power Plant turbines)

176 Wagons

TRABZON, ANKARA, KONYA, GÖLCÜK, SAKARYA, BURSA
OUR STEEL CENTRES IN TURKISH RAILWAY LINE

We are the second private sector institution with the largest fleet



Today, economic competition is shaped by continuity of production, usage of clean and environment-friendly technologies and low product costs. In parallel with the developments that occur in the world, we aim to maintain our position in the market with high-quality products, to be able to compete, grow and industrialize by preserving the ecological balance with the investment works that can integrate with the contemporary world. In addition, we embrace it as a principle to reduce the economic burden of our country's dependency to foreign countries within the context of energy generation of our industry and country.

82% of our employees participating in the sustainability questionnaire say: 'İçdaş created significant amount of economic values for its stakeholders (employees, suppliers, shareholders, local community, public bodies).'

Expectations of our employees in this regard increased by 3% compared to the previous year.

• OUR CONTRIBUTIONS TO SUSTAINABLE GROWTH AND ECONOMY •

Our financial sustainability is very important to all of our stakeholders from our shareholders and employees to our suppliers and local neighbours. Our environmental and social investments are based on our strong financial structure. We aim for projects that offer employment opportunities, contribute to production and add value to the nature, our culture and human life with our investments.

Today, as İÇDAŞ, we are the leader steel, energy and ship producer that make a turnover of more than 8 billion TL and that is a supplier of innovative technology solutions, employers, contractors and investors with wide-ranging environment-friendly technologies. We enable a significant amount of foreign currency inflow into our country every year and create an economy family consisting of around 10 thousand people with direct employment for 5 thousand and indirect employment for that many people.



Steel Production

In terms of capacity, we are the biggest private sector investor. 9,3% of total production of Turkey, which the ninth steel producer in the world, materializes in İÇDAŞ facilities. Being the 17th establishment with the highest exportation level with 650 millions in 2015, we ranked second in steel sector according to Turkish Exporters Assembly data with a share of 6,3%.

Energy generation

In 2015, İÇDAŞ produced 3,98% of the energy generated in Turkey, 5,5 billion kwh being produced in Bekirli and 2,63 billion kwh in Değirmencik.



Railway Transportation

We are the private sector organization with the second biggest railway fleet with 176 wagons. Our annual transport capacity is 350 thousand tons with the current railway infrastructure. As İÇDAŞ, we aim to move product and raw material transport to railway and thus, lower our costs and preserve nature with less emission compared to road transport. We established steel centres at five points of Turkey to be able to use the railway line effectively.

Shipyard Activities and Sea Transportation

We make remarkable economic contributions with the activities carried out at our ports which have high approaching and loading/unloading capacity. Wagon-carrying ships are among our investment plans. With the investments concerned, we aim to reach railway connection at Bandırma Port by ship and prevent embarkation and disembarkation manipulation by performing loading from the factory directly to the wagons. Furthermore, this will enable direct exportation from Tekirdağ to Europe.



• TURKISH STAR PROJECT •

Construction of four coaster ships is completed as of 2015 in Turkish Star Project

100-coaster Turkish Satar Project that provides for renewal of Turkish Sea Trade Coaster Fleet, which is used in load transport in the Mediterranean basin and the Black Sea, started in 2012. İÇDAŞ, which will contribute to the project with five coasters, completed its four coasters, which it started to construct for the purpose of enhancing competitive power of our country in sea trade-which is projected to rejuvenate in the whole world after 2012- and which cost 30 million dollars in its facilities in Çanakkale, Biga. The project will cost 37,5 million dollars in total. The coasters, which were designed conveniently for river transportation, comes to the forefront with their environment-friendly properties and fuel saving. Coasters of İÇDAŞ, which are designed by Turkish engineers, will render service in transportation of dry load, special load and container.

Our Investments which started in 2015 and those which have just started:

PROJECT	LOCATION	BUDGET	COMPLETION STATUS/OBJECTIVE
Wind Power Plant	Biga - Çanakkale	100 million USD	Construction and assembly works continue. 12 wind power plants were put into service in 2015. 7 plants will be put into service in 2016.
Cement and Clinker Facilities	Biga-Bekirli and Biga-Karahamzalar	250 million USD	We started construction works in November 2014. The construction continued in 2015.
Railway Transportation – Wagon Investment	Domestic	11 million Euros	Ongoing
Integrated Steel Production Facility	Değirmencik - Biga	1 billion USD	Permission procedures continue. 2020
Turkish Star -3, 5000 DWT General Cargo Ship	Değirmencik - Biga	7,5 million USD	Completed in September 2015.
Turkish Star -4, 5000 DWT General Cargo Ship production (construction started)	Değirmencik - Biga	7,5 million USD	We started construction in June 2015. Production continues.
Değirmencik-2 Ash Landfill	Değirmencik - Biga	6,5 million USD	2016 – Construction continues
Bekirli-2 Ash Landfill	Bekirli - Biga	6,5 million USD	2016 – Construction continues

The Target of Steel Production with local resources:

Due to narrowing and contamination in the steel sector in the world and Turkey, we are working on more efficient production processes that can be alternative to scrap. We aim to perform production by analysing economic convenience of local ores and using local resources. In this way, we are planning to make more quality and more cost-effective production by using local resources. With regard to the environment, we continue to work on producing electricity from waste heat originating from arc furnace and mill heating furnace procedures where we use high energy.

Our Local Economic Contributions:

Our direct investments on the soils of Çanakkale have been worth 5,5 billion dollars to date. Indirect effects of these investments on local community and economy are much more and long-termed. Our approach which strengthens these effects is to prioritize local community for employment.

Detailed information on our social and environmental investments, support projects for education, sports and culture and the indirect economic effects which we created is indicated in “Our Social Performance” section of our report.



• ENERGY INVESTMENTS •

94 percent of our employees who participated in the sustainability questionnaire say that...

'İÇDAŞ should invest in renewable energy sources in electricity production.' The expectations of our employees in this issue have increased by 7% compared to last year.

The energy sector in Turkey with foreign dependency rate of around 70% today promises a remarkable potential. The energy import which was the biggest item in Turkey's foreign trade deficit in 2014 was 84.5 billion dollars. It is of critical importance not only for the entire world but also for the sustainability of Turkey in order to ensure supply security in energy. Population growth, industrialization and urbanization increase the demand for energy a little more each day. In our country, base load power plants whose reliable electricity production is higher than other plants for the supply of uninterrupted power which is the main input of the industry are required.

All these developments and also the need for high-quality and uninterrupted energy to carry out İÇDAŞ's activities increase our sensitivity about reducing foreign dependence on energy supply and supply security in energy. Due to the very high foreign dependence on natural gas, we continue to invest in coal-based and environmentally friendly power plants.



İÇDAŞ Biga WPP Project

As a result of the tender organized by Turkish Electricity Transmission Company (TEİAŞ) on 12 May 2011 wind power stations, we initiated the 60-megawatt İÇDAŞ Biga WPP project in Biga, Çanakkale. We keep on the project in accordance with all national environmental and other legislations.

We put 16 wind turbines into operation in 2015. Our total budget for 12 WPPs is 52 million euros. We have contributed to the local economy by creating new job opportunities during the construction of the Project and the operation of the facilities. The generation amount stipulated in the license of İÇDAŞ Biga WPP project is 192.895.200 kWh annually. With this generation amount, 120 thousand tons of carbon emission reduction amount can be achieved. With İÇDAŞ Biga WPP project, we intend to create portfolio diversity in the generation of energy and to achieve carbon trading in addition to the protection of the ecological balance.

We are planning to develop and record the İÇDAŞ Biga WPP project in accordance with the Gold Standard VER (GS VER) as a voluntary emission reduction project. The greatest feature that distinguishes the Gold Standard VER from other VER standards is the development of the project in accordance with sustainable development and environmental principles. This alignment will be provided through consultation with stakeholders about the effects of the project on sustainable development and environment and ensuring the stakeholder participation during the process. We aim to contribute to the transition of our country to the low carbon economy by entering the Voluntary Carbon Market through receiving a Gold Standard certificate for Biga WPP.



• WIND ENERGY •

The energy that can be obtained from wind commercially is considerably more than all the energy that man is currently obtaining from all the other resources. 1% of the energy coming from the sun and absorbed by the world turns into kinetic energy in the atmosphere. If we assume that this energy is equally distributed into the earth, the energy that can be obtained in the land areas is calculated to be 3.4×10^{14} Watt, which is 22 folds of the commercial energy used in the world now.

It is accepted that wind power plants of 5 MW-capacity can be established per square kilometer in the areas that are 50 meters above the ground level and have over 7.5 m/s wind speed in Turkey. In light of these assumptions, a Wind Energy Potential Atlas (REPA) where the wind resource data were provided using the medium-sized numerical weather prediction model and micro-scale wind flow model was prepared. Turkey's wind energy potential is determined to be 48,000 MW. The total area which is equivalent to this potential corresponds to 1.30% of Turkey's surface area. In 2014, electricity generation from wind has met 3.27% of the total consumption of Turkey and electricity was generated from 8367 GWh of wind. The consumption coverage ratio in the first 11 months of 2015 stood at 4.37%.



CHARACTERISTICS:

- Environmentally friendly, has no carbon emission. Reduces air pollution.
- A renewable energy source, no costs for obtaining fuel.
- Avoids the importation of raw materials used to generate energy and creates prosperity in economy.
- Provides employment in the areas where the electrical cannot be reached and improves living standards, accelerates development.
- Ensures regional development and employment.
- No risk of being affected from the changing fuel and energy prices.
- Ability to be installed anywhere where suitable conditions are provided.

Local Procurement Practices:

We meet the needs of our company, mainly raw material supply, from various regions of Turkey and the world.. The word "local" refers to the borders of Turkey for İÇDAŞ when we say 'supply'. . We determine our local procurement policy and selection criteria with the list of our suppliers and purchasing procedures.

When the quality/price balance is optimum in purchasing practices, we prioritize the domestic procurement alternatives. The materials procured internationally at the most are scrap and coal, while the products procured domestically at the most are fuel oil, machinery and equipment. Numerically, the number of our domestic suppliers consists of 93% of total suppliers; however 50% of expenditure is on import due to the costs of the products purchased. In addition, as a result of our efforts on domestic supply since 2012, we increased our domestic rate from 16% to 50% in 2015.



İÇDAŞ Supply Chain Structure²²:

İÇDAŞ SUPPLY CHAIN STRUCTURE	DOMESTIC	INTERNATIONAL
Total number of suppliers	2946	229
The estimated number of suppliers in the supply chain	12000	800
Locations of supplier by country or region	Marmara: 2.358 Aegean Region: 134 Central Anatolia Region: 360 Eastern Anatolia Region: 18 Black Sea Region: 32 Southern Anatolia Region: 6 Mediterranean Region: 38	Russia, Ukraine, European Community, the European Free Trade Association (EFTA), America, China, Colombia, South Africa, India, Japan, Canada, Mexico, Australia, Brazil, Czech Republic, Finland, South Korea, Hong Kong, Iran, Latvia, Hungary, Malaysia, Pakistan, Singapore, Taiwan, VIETNAM
Supplier Types	Main manufacturers, licensees, auditors, consultants, brokers, wholesalers, sub-contractors, contractors, transporters	Scrap, coal, HBI, pig, ingot, spare parts suppliers and supervision firms
Approximate value of payments made to suppliers	2,875,834,426.00 TL	\$1,064,631,676.27 (£2,878,177,021)



SOCIAL PERFORMANCE²²

We have determined that the most important social impacts of our activities in İÇDAŞ are created within the framework of the health, safety, development of employees and our responsibilities towards the local community in the area where our facilities are located. We conduct all of our steel and energy production operations with the zero accident goals.



The number of our union member employees increased by 2,69%.

The primary stakeholders of İÇDAŞ are its local people, including employees and employees' families. While conducting our relations with our employees within the framework of the Human Resources Policy and planning our social and environmental investments, we act considering the priorities of the local communities, as we define 'our neighbors', where our facilities are located.

Occupational Health and Safety

The steel industry is among the main metal industries and is one of the industries accepted to be 'heavy'. The continuous transportation of heavy and massively huge materials and machines from one place to another, molten metal the temperature of which increases up to 1,800 degrees, toxic and corrosive substances, odor, smoke and noise pose important risks in terms of occupational health and safety.

The health and safety of our employees is at the top of our strategic priorities. As İÇDAŞ, we pay the utmost attention to the health of our employees and the occupational safety in line with our Occupational Health and Safety (OHS) Policy and Occupational Health and Safety Management System practices.

In order to adapt to the occupational health and safety legislation which has been amended during the integration process of our country with the EU acquis, - we are implementing OHSAS 18001- Occupational Health and Safety Management System as part of our risk management strategy. This system allows our company to assess the health and safety risks in a consistent manner, to reduce the risk of accidents, to identify near-miss risky situations and to improve its overall performance.

In 2015, we provided 8.223 man*hour OHS training to our employees.

The details of our OHS Policy are available in the İÇDAŞ Management Policies Book. The data on our OHS performance are available in the 'Our Social Performance Indicator' section of our report.

	2011	2012	2013	2014	2015
OHS Training (Man/Day)	3.902	5.539	4.104	7.130	8.233

In 2015, we have provided trainings to 8,233 people in total, 6,149 of whom have received OHS trainings, while 2,084 of whom have received orientation trainings. The reason why the number is higher than the number of employees is that the same people take more than one training.

OUR ACCIDENT INCIDENCE RATES	2013	2014	2015
Rolling Mill	20,08	15,81	22,31
Steelworks	24,24	15,82	18,61
Utility Services	16,17	17,38	6,54
Oxygen Facility	34,36	15,43	21,20



Radiation Safety Management

İÇDAŞ is a leading company in the sector with the investments it has made on radiation safety and its measurement systems. There is a steel scrap input from many different points of the world to our facilities on a regular basis. We have a rigorous and systematic control system to recycle junk without creating environmental and safety risks.

We do not procure scrap from the countries with high risks of flammable substances, chemical waste or radioactive waste and contamination in their content and we make controls at each stage from the acceptance of the scrap to the facilities until their processing.

We provide the steel scrap coming from abroad from licensed scrap processing facilities. İÇDAŞ scrap assessors visit suppliers regularly in order to check whether they have sufficient technical requirements to process the scrap or not and give approvals to them. Scrap is loaded on the ship by undergoing a radiation and chemical substance control under the supervision of independent international audit firms.

We have 8 Fixed Radiation Gauges at our gates, including 4 at the port entrance and 4 at the highway entrance. The steel scrap taken into the scrapyard after the entry control goes through an expert check here again. In order to avoid the potential problems originating from human or equipment errors, steel scrap is subjected to the radiation control immediately after the melting process. At this stage, a radiation gauge is available in the smoke and dust collection facility to detect the radiation. The melting operation is continuously monitored with the devices located in each of the 3 smoke absorption facilities.

After all these stages, it is highly unlikely not to detect a radioactive source. But still steel products are checked one last time before leaving our facility. All the products are taken out of the plant through sensitive door type Fixed Radiation Gauges.



• RELATIONSHIP WITH OUR EMPLOYEES •

İÇDAŞ Board defines our employees as the most valuable asset of the company. Our employees are among our prior stakeholders within the scope of sustainability as in all matters.

İÇDAŞ Board defines our employees as the most valuable asset of the company. Our employees are among our prior stakeholders within the scope of sustainability as in all matters. We have defined the part of our mission for our employees as “providing fair attitude, teamwork, open communication, personal safety and development opportunities by keeping our environment safe and efficient” and we will maintain this culture.

Today, the most important elements of İÇDAŞ’s becoming a global company with its production, capacity and technology are the human resources, knowledge, skills, experience and diligence it has. We aim to develop our operations and move forward with happy and participatory human resources through ensuring both health and safety and personal development.

As it is a large-scale and labor-intensive sector, there is high number of unionized employees. Another method developed to ensure the participation of employees in decision making processes is the monthly review meetings where the representatives of trade unions and workers’ representatives attend.



İÇDAŞ Suggestion System (İÇÖS)

İÇÖS started in 2008 with the initiative of the İÇDAŞ Board of Directors in order to benefit from the ideas and advices of employees and improve the communication between the management and the employees. We have announced the purpose and the scope of the system, the benefits it will bring to the company and its employees in a manual in detail.

Employees put the İÇÖS suggestion forms they write about all kinds of improvement suggestions for efficiency, OHS, environment, quality and so on in the İÇÖS suggestion boxes located in the cafeterias. These suggestions are collected periodically and analyzed in the İÇÖS unit meetings. The suggestions found applicable in this review are submitted to the İÇÖS executive committee. The board approves the appropriate suggestions and initiates the efforts to put them into force.

İÇÖS is executed by a committee consisting of 20 people including work units and the executive board. We have collected a total of 823 suggestions from the initiation of the system until the end of 2015. We put 292 of them into operation.

Local Employment

While hiring for Değirmencik Integrated Plant, our company’s choice is to hire among local human resources. This approach not only facilitates the alignment between employees, but also it plays an important role in the quality of life in the region. Today, more than three thousand local people are directly employed by İÇDAŞ, the regional employment created by our company through outsourcing reaches six thousand people.

By the end of 2015, the ratio of total senior management who are employed from the local people to all managers is 37%. In Değirmencik integrated plant, 83% of our employees and in Bekirli power plant, 72% of our employees are employed from local people.

Training and Development

During the reporting period, 84 thousand 875 hours of training have provided to İÇDAŞ personnel in many different subjects including job security and personal development.

DISTRIBUTION OF TRAININGS BY SUBJECT NUMBERS	MAN*DAY
OCCUPATIONAL SAFETY TRAINING	36.858
ORIENTATION TRAINING	22.216
VOCATIONAL TRAINING	8.749
SINGLE POINT TRAINING	8.312
INFORMATION SAFETY TRAINING	4.272
QUALITY TRAINING	2.152
PERSONAL DEVELOPMENT TRAINING	1.91
ENVIRONMENT TRAINING	348
ENERGY MANAGEMENT SYSTEMS TRAINING	56
TOTAL	84875

Average hours of training based on employee categories and other training data are included in the section ‘Our Social Performance Indicators’ of our report.

Equal Opportunity and Human Rights

We are trying to create equal opportunities independently of sex for anyone who works in our company as of their recruitment. We embrace the principle of equal pay for equal work in İÇDAŞ, as noted in our Human Resources Policy. The wage increase of our employees is made in line with our performance evaluation system each year.

Female employment in our group constitutes 2.64% of the total employment rate. The low rate of women working in our company is not due to the specific choices of our company but entirely due to the production-related nature of the steel and energy sectors. As in all sectors throughout

the world, our country has a low rate of female employment as well.

We do not have any operations that may have significant risks related to child and forced labor in our group. Our rules relating to human rights and working conditions are described in our human rights policy stated in İÇDAŞ Management Policies Book in detail both for the company and our suppliers. The rate of our employees on collective bargaining agreement to all employees is 47.1%. 5% increase has occurred in this ratio in the last two years.²³

Working Environment and Other Opportunities

The benefits provided to full-time employees other than salary include heating, marriage, birth, death, military, child, education, food, vehicle, shoes, natural disasters, food, cleaning supplies benefits, bonuses, holiday and paid annual leave allowances.

The services and benefits provided to employees include wage for employees on sick leave and meeting their treatment expenses in private health institutions, right to have advance payment, labor services, health center, housing and accident insurance. Children can participate in the activities in İçdaş Sports Club for free.



• OUR RELATIONS WITH LOCAL COMMUNITY •

76% of our employees participating in the sustainability survey says that ... 'In the eyes of the local people living in the vicinity of the facility, İÇDAŞ is a company that respects their rights, protects public health and safety and creates a positive impact in the area with its activities.'

As İÇDAŞ, we have aimed to protect local people's interests and values from the first day we started our investment. Our executives are mainly selected among the local community, which plays an important role in this goal. We aim to reach the people in this region primarily and we respect the culture, history and traditions of the region in all our investments and corporate responsibility efforts that we make.

Plant Introduction Visits

As we receive requests to see and to be informed about our company and facilities on site from the public and as we see that public does not have sufficient information on the production and environmental implementations of our company, we started to organize plant introduction visits with the support of the İÇDAŞ Media and Public Relations Department between March-October each year since 2010.

We intend to inform all the external stakeholders in our regions through direct observation starting from the immediate vicinity on the matters such as environment and water management systems, social responsibility practices, work environment, innovative production technologies of İÇDAŞ and to be in solidarity with the local people that develops each year and to create a common positive perception in different segments of the society.

Within the last five years, 5.794 people consisting of university, college, high school and elementary school students, chambers of commerce members, NGOs and representatives of associations, local and central government representatives, MPs and media representatives paid study visits to our facilities. 97% of the 993 guests that we have hosted in 2015 include students, while the remaining 3% consists of NGOs.

We ensure the transfer of this practice into broader sections of the society through the involvement of the opinions and ideas on these visits in written and visual media. By reaching 15 thousand people who have seen our facilities and practices, we aim to create a respected corporate perception in 10% of the population in our region through direct observation. We plan to continue this practice for eight months of the year with four-six groups of visitors in a month for the next six years.

Outcomes and Achievements

➤ ECONOMIC

Depending on the “need for skilled staff” which is required the most by our facilities in the region, these practices contributed to steering potential employees who would meet this need into vocational preferences. In economic terms this practice will help our facilities to provide employment in sufficient number and qualifications in the region in the long term.

➤ SOCIAL

This practice ensured closer communication between facility officials and external stakeholders and helped external stakeholders take part in many activities carried out by our internal stakeholders. We started to receive the requests of external stakeholders to participate in the practice as well.

➤ ENVIRONMENTAL

The most important achievement of the practice is the contribution to the understanding of the sensitivity of our facilities towards environmental values by the public. Each visitor who witnesses this sensitivity has become the messenger of our company.

➤ CORPORATE

The practice highly praised by the external stakeholders developed the corporate sense of belonging of our employees and improved their work motivation. While İÇDAŞ creates a strong sense of trust in stakeholders with its collaborative approach, the company's business performance and the meaning of awards that our company has won in several categories become more understandable in the general public.





We carry out our social investment program with the motto 'Healthy-Social-Well-educated Youth; Robust Society' under the main headings of education, sports, and culture.

We keep on our educational and sports investment that embrace young people in the region and the investments that we make to protect our cultural heritage addressing the whole society in order to become a well-educated, sound, energetic, social, self-confident with its thousands of years of cultural heritage and prosperous society.

Between the years 2004-2015, we have made investments whose economic value exceeds 60 million TL. Only in 2015, we made 7,8 million TL social investment. Social and environmental infrastructure supports include the financial and material assistance that we made to build and repair structures such as roads, bridges, mosques, parks, pipelines and so on.

SUPPORT WE PROVIDE TO LOCAL PEOPLE AND LOCAL ECONOMY	2015
Social and Environmental Infrastructure	681.314 TL
Sports	693.241 TL
Education	5.697.743 TL
Cultural	755.936 TL
TOTAL	7.828.261 TL

OUR SOCIAL INVESTMENT

Since the day we were founded as İÇDAŞ, we have made many efforts to improve community's quality of life, to improve social life through educational opportunities and to meet social needs, and we continue to do so.





Educational Support

The main reason behind our educational investments is the lack of qualified personnel. Our investments 72 of which are related to education include school and dormitory construction and infrastructure supports, student scholarships, vocational training and similar projects. We granted 88 thousand TL scholarships to 439 students in 2015. Thus, we granted a total of 3.2 million scholarships to 1,858 students in the last 5 years.

NUMBER OF STUDENTS AND SCHOLARSHIP AMOUNTS					
YEAR	2011	2012	2013	2014	2015
Vocational High Schools	25	20	23	26	22
Universities	8	258	281	344	331
Other	14	48	75	68	86
Total Students	277	326	379	438	439
TOTAL	426.895 TL	464.775 TL	655.570 TL	865.980 TL	888.120 TL

Support to Sports

We are planning to support the development of our employees and the young people in our region including the children of our employees as healthy, sportive and competitive young people with high self-confidence and team spirit. In this scope, as well as laying the foundations of İÇDAŞ Sports Club, we also support other sports branches and clubs in our region.

Support to Cultural Development

In order to bring the universal values of our country to light and introduce the historical and cultural richness of our region to the world, we are undertaking the task of contributing to the development of the Anatolian Cultural History by supporting the Troia, Parion and Smintheion Excavations.

Biga Industrial Vocational High School

In the development of our country, we know the value of vocational and technical schools and the students who graduate from these schools, and we strive to provide them with job opportunities.

Founded nearly a thousand square meters of land, official opening ceremony of Biga İÇDAŞ Vocational and Technical Anatolian High School was held with the participation Canakkale Governor Hamza Erkal on October 22, 2015.

General Manager of İÇDAŞ Bülend Engin, Biga Governor Gökhan Gorgülüaslan, Provincial Education Director Zülküf Memiş, Biga Mayor İsmail Işık, Karabiga Mayor Muzaffer Karataş, Lapseki Mayor Eyüp Yılmaz, Security Director Yılmaz Özden, AK Party MP Bülent Turan, Secretary General of Special Provincial Administration Can Aksoy participated in the opening ceremony.



Students welcomed them by giving flowers to the Governor Hamza Erkal and İÇDAŞ General Manager Bülend Engin. The Governor Mr. Erkal thanked İÇDAŞ and stated in his speech that "I am also a vocational high school graduate. Biga is among the most developed districts of Çanakkale. Biga is one of the most needed districts as an intermediate element in industrial production. We have acquired a good vocational school to respond to this need. Students who will graduate from here will be employed in these good establishments with the professions they gain here. They will both make a living and serve their home towns".

Biga Industrial Vocational High School to which İÇDAŞ contributed 4,6 million TL consists of 5 floors including the basement and ground floors. It has 14 classrooms, 9 workshops, 4 laboratories, administrative rooms, a cafeteria and a library. 500 students are studying in the school.

UMEM Specialized Vocational Training Project

In a study by the Turkey Union of Chambers and Commodity Exchanges - TOBB on the problems of the private sector across our country, UMEM project initiated in 2010 after determining the lack of skilled workers as the most important problem is a public project organized by TOBB in cooperation the Ministry of Labor and Social Security.

The main aim of the program is to bring unskilled labor to business life and at the same time to provide a solution to the need for skilled workers in the private sector in the region. The target set by the Ministry of Labour and Social Security and İşkur is to provide training to one million unemployed people in the country every five years and to bring 90% of them to business life.

Under UMEM project, the courses on 'Steel Mill Worker, Welder, Rigger, Lather and Steel Manufacturer' were provided in Biga İÇDAŞ Vocational and Technical Anatolian High School. So far, a total of 238 trainees have been certified and graduated. As long as the practice continues, İÇDAŞ will continue to provide corporate support to the project.

Outcomes and Achievements

> ECONOMIC

238 certified trainees participated in the workforce by starting to work in Steel Mill, Rolling Mill, Power Plant, Port and Auxiliary Facilities within İÇDAŞ.

> SOCIAL

It is a very meaningful project initiated to find a solution to unemployment, which is the most important social problem of the society. Within this framework, those who were brought to the business life not only had a job but also had a profession.

> CORPORATE

The support we provide to the program has aroused great respect among all sectors of society. With this practice that helped local people be employed as well as obtain a profession, İÇDAŞ has added a new dimension to the corporate social responsibility approach.

Trainings by the İÇDAŞ Employees in Çanakkale Onsekiz Mart University- ÇOMÜ and in Biga Vocational High School

In our region, there were significant problems in the employment of young people who graduated from the related departments of the higher education institutions without considering the developing investments and sectors as well as in finding the skilled workers required by the private sector.

As a result of the meeting held between İÇDAŞ General Management and Rectorate of Çanakkale Onsekiz Mart University at the end of 2011-2012 Academic Year, an agreement was reached on initiating the "Electric Power Generation, Transmission, Distribution" and "Metallurgy" programs in Biga Vocational High School. And then the "Grounds of Program Initiation" prepared by Biga Vocational High School Management were submitted to the University Senate and then the Higher Education Council (YOK).

The programs deemed appropriate by the Council of Higher Education started teaching with 30 people additional capacity in 2012 - 2013 academic year. At the same academic year, 25 students were enrolled in the Metallurgy, while 27 students were enrolled in the Electric Power Generation, Transmission and Distribution program. In 2013 - 2014 academic year, both programs were at full capacity and accepted 30 students.

The existing relations between Biga Vocational High School and İÇDAŞ were reinforced further with the start of the above-mentioned programs which are directly in the areas

of interest of İÇDAŞ. Within this scope, the curriculum was brought in compliance with the market practices by a commission established with the officials of İÇDAŞ and Biga Vocational High School officials, and started to be implemented in 2013-2014 academic year. The vocational courses in the second grade are given by a group of successful engineers working in İÇDAŞ. Sometimes students are taken to the factory for the practical classes.

Program Consultant Academic Member İsmail HACIKURU ensured that the program was prepared in a way that students would have the maximum efficiency in their professional life. With the education notes and practical lectures given by our engineers under the leadership of İSMAİL HACIKURU, they intended to form the basis of the professional lives of students.

As the only major heavy industrial enterprise in and around Çanakkale, we also ensure comprehensive education for students with the content of the classes prepared for the processes in iron and steel electricity industry as well as the matters such as the working conditions in heavy industrial conditions, quality control, occupational safety and environmental issues.

In 2015, 12 engineers working in İÇDAŞ gave a total of 29 hours of lectures per week. These lectures are the basic courses on steel and energy as well as the ones on Environment, Safety and Quality.

NAME OF THE CLASS	SUPERVISOR
Integrated Factory Structure	Burçak YILMAZ
Composite Materials	Serhat ŞENYILDIZ
Plant Electricity II	İbrahim TANIŞMAN
Scrap Preparation and Quality	Olçun ÖKSÜZ
Factory Mechanic Maintenance II	Mücahit DURAN
Occupational Safety and Environment IV	Arzu BALLI
Occupational Safety and Environment II	Ulusal BAYKAN
Tundish Metallurgy and Continuous Casting II	R.Çağrı ÜNZAL
Quality Assurance and Standards	Ayça TEKİN
Ladle Metallurgy II	Serdar ERDEMİŞ
Arc Furnace and Optimization II	Tamer ÖZAN
Refractory and Areas of Use II	M.Cem TOKSÖZ

Outcomes and Achievements

> ECONOMIC

Although it is not possible to calculate the numerical net economic contribution of the practice, we believe that students will have a faster adaptation to the business life and their jobs as a result of the training supported by practical experience and that they will have increased efficiency.

> SOCIAL

We expect that the practice will offer a significant contribution to the education lives of young people where they can look confidently to the future.

> ENVIRONMENTAL

We think the facilities operated by skilled employees who are experts in their field would be in a more efficient operation in the protection of environmental values.

> CORPORATE

We believe that this practice would contribute to the formation of a corporate structure which is efficient and competitive with the employment of skilled and qualified personnel at every level of facilities.

Agriculture and Livestock Activities²⁴

When it comes to Biga where our Değirmencik facility is located, agriculture, livestock and industry come to minds. Due to the rapid increase in the industrial investments in the region, the breeders who are engaged in agriculture and livestock developed a skeptical attitude towards the industry. The driver of the agricultural and livestock practices of İÇDAŞ was to show the local people in practice that an industrial development done correctly would not have a negative impact on agriculture and livestock.

We carry out Fattening Farms (2007), Fish Farm (2008), Beekeeping (2010), Sheep and Goat Breeding (2011) and Agricultural Practices (2007) which are performed by the Agriculture and Animal Breeding Department with its agricultural engineers and technicians, veterinarians and expert beekeepers. We consume over 80% of our products, including different rates for every product, in the plant in general.

Although they are outside of our main business areas give importance to agriculture and animal husbandry practices due to the positive economic, social and environmental impacts they create and we are increasing our investments in these areas each year. The stakeholders that are positively affected by our activities in the region primarily include animal breeders, farmers, agricultural equipment and fertilizer dealers, seed dealers and agricultural laboratories in the region.

The most important challenge in developing our activities was the supply of skilled staff and we are able to overcome it with internal training. We were able to resolve the concerns of local people in a positive way by allowing them to visit our facilities and opening the door of our business.

Fattening Farms, Beekeeping and Sheep and Goat Breeding

Location: Değirmencik – Bekirli villages/Biga District
Animals bred: Fish, bee, cow, sheep, chicken, geese, turkey, duck
Products: Fish, comb honey, spring honey, extracted honey, pollen, carcass meat, egg

The external stakeholders who support the practices in order to benefit from the technical support at the national level and to exchange information:

- Biga District Directorate of Food, Agriculture and Livestock
- Big Red Meat Association
- Çanakkale Beekeepers Association

INVESTMENT IN LIVESTOCK PRACTICES (1.000 TL)					
Location	2011	2012	2013	2014	2015
Fattening Farms	450	750	776	1.850	806
Beekeeping	35	40	55	60	40
Sheep and Goat Breeding	20	40	85	20	80

Agricultural Practices

Location: Değirmencik - Biga
Products: Pepper, tomato, apple, plum, bean, cauliflower, melon, cabbage, lettuce, parsley, eggplant, grape juice, cucumber, raisin, jam, tomato paste

The external stakeholders who support the practices in order to benefit from the technical support at the national level and to exchange information:

- Çanakkale Provincial and Biga District Directorate of Food, Agriculture and Livestock
- Local and national fertilizer companies

INVESTMENT IN AGRICULTURAL PRACTICES (1000 TL)					
Location	2011	2012	2013	2014	2015
Agriculture	150	250	300	100	100

Outcomes and Achievements

> ECONOMIC

We increased financial resources being transferred to the region with the supply of raw materials from the local growers. We provided model gardens to the region.

> SOCIAL

We provided employment to the local people and we established a model facility in the region.

> ENVIRONMENTAL

We enriched the biodiversity in the region.

> CORPORATE

We improved our company's reputation in the eyes of society and the public.

• İÇDAŞ SPORTS CLUB •

In 2008, we started to give sponsorship in swimming in Çanakkale and we established Çanakkale Sailing School in 2010. We incorporated all the sportive activities in İÇDAŞ Sports Club in 2011.

Although Çanakkale is the city which has the second longest coastline of 671 km in Turkey, it did not have an infrastructure that enables the performance of sea and water sports. Doing water sports such as swimming, sailing and other water sports in the global standards requires expensive equipment and infrastructure, we established the Sailing School in Karabiga town in 2004 as a first step to allow large masses to do these sports completely free. In 2008, we started to give sponsorship in swimming in Çanakkale and we established Çanakkale Sailing School in 2010. We incorporated all the sportive activities in İÇDAŞ Sports Club in 2011.

We also included Archery to the activities in the fields of sailing and swimming, wind surfing, chess and basketball in 2015.

According to the TUIK data, almost 55 thousand of Çanakkale population consist of the people who are in the 5-14 age group and suitable for sports trainings and whose quality of life can be improved by conscious sports activities. We set the primary objective of the project as contributing to raising healthy, self-confident, competitive and sportive individuals who have the team spirit by taking advantage of the geographical advantages of the area. In this way, we aim to strengthen our corporate image, to increase our brand awareness, to contribute to the development of the region's economy and tourism. In 2015, archery was included among the sports that we are engaged in.



As of 2015;

- **In Sailing and Surfing:**

A total of 113 sports students, including 41 certified

- **In Swimming:**

A total of 168 sports students, including 82 certified

- **In Basketball:**

A total of 36 sports students, including 26 certified

- **In Chess:**

A total of 82 sports students, including 57 certified

- **In Archery:**

A total of 24 sports students, including 9 certified

The number of students who are still studying in 2015 is 423. The number of students who have received education in 2015 is 1344.

Within the scope of Sports Club activities, we receive support from Turkey Sailing Federation, Turkey Swimming Federation, Çanakkale Provincial Directorate of Youth and Sports, Çanakkale Sailing City Representative, Çanakkale Swimming City Representative, Çanakkale Governorship, Biga District Governorship, Çanakkale Municipality and Karabiga Municipality in the provision of venues, regional and national competition organizations and logistics. In addition, in order to bring talented children with a high physical potential into the swimming sports, we make a review in all primary schools in the city center in cooperation with the Provincial Directorate of Youth and Sports and the Directorate of National Education every year.





2015 Activities

- We participated in the 1st Stage competitions of Çanakkale Children's and Junior's Chess League held on 10-11 January 2015 with 2 teams and our teams were placed 1st and 2nd rankings among 41 players in 7 teams in Stars League. In the Children's League we participated with 6 teams, there were a total of 252 players including 101 players in 16 teams in ABYDOS group, and 110 players in 18 teams in SESTOS group. In ABYDOS group, our teams were placed the 1st and the 2nd, and the 3rd rankings in SESTOS group.
- On 13-15 March 2015, our players were placed the first three in category A and the first two in category B in the international tournament named "İÇDAŞ ÇANAKKALE VICTORY, 100th ANNIVERSARY CUP".
- In surfing, Duru Gündoğmuş and Zeynep Türkoğlu became the Turkey Champions in the Techno 293 women's class, and Berkay Okumuş finished the 2nd in the Half-Year Cup held at the beginning of the semester of 2015. In addition, the player of our club, Duru Gündoğmuş Ataköy was granted "the best sportspeople of the year" award in the ceremony held in January 2015 in Ataköy Olimpiyat Evi.
- In the Half-Year Sailing Cup Laser Radial women's class held in 2015, Buket Aslan and Hilal Özsoy were placed the 2nd and the 3rd, respectively and they were listed among the 2015 successful sportspeople of Directorate of Youth and Sports. Our successful sportspeople were invited to the national team sports camps by the Turkish Sailing Federation.
- 12-Year-old Nisa Kahriman who participated in the Open Water Swimming Championship held by the Turkish Swimming Federation on 30-31 May 2015 in Foça District, İzmir was placed the first by 200 meter difference against her rivals who were much older than her. Drawing the attention of swimming authorities, an athlete of Çanakkale İÇDAŞ Sports Club, Nisa Kahriman became the Turkish Women's Champion by swimming 2,5 km in 33 minutes 51 seconds.
- 12-Year-old Asya YAVAŞ who participated in the Open Water Swimming Championship held by the Turkish Swimming Federation on 30-31 May 2015 in Foça District, İzmir was placed the third in 2.5 km category.
- They were entitled to participate in 10 provincial competitions and also 4 TYF Non-Provincial Swimming Competitions by being successful in the pre-selections in swimming since October 2015.

Outcomes and Achievements

➤ ECONOMIC

As Çanakkale became prominent in sports branches such as sailing, swimming and surfing, it started to be a province of choice for sports tourism in our country and economically revived. Today, the young people talented in swimming move to Çanakkale to carry out their activities in İÇDAŞ Sports Club and prefer continuing their education and social lives in our region.

➤ SPORTIVE

6 of our athletes were called up to the Turkish Sailing Federation camps and the national team squad due to their achievements. The major events that they participated were 2011 Winter Regatta Italy and 49th Balkan Championship. In the 49th Balkan Championship held in Split, Croatia, our athlete was placed the 9th ranking among 77 athletes and represented our club, city and country successfully. Our athletes were also listed among 2015 successful sportspeople by Directorate of Youth and Sports.

➤ SOCIAL

Thanks to İÇDAŞ Sports Club, thousands of young people were introduced to sailing and swimming sports. We have trained 2,422 students in total. 8 students were selected for the national team and managed to represent our country in international competitions. 2 of our students entered the national team preliminary squad. All the coastline towns in our region host sailing tournaments, competitions and shows, our sportspeople started to set sail in the domestic and international competitions and achieve significant rankings. These achievements boosted their self-confidence and pave the way for more significant achievements.

➤ CORPORATE

In our region, the first institution that comes to mind in sailing swimming is now İÇDAŞ Sports Club. Our athletes are a source of pride for our company with their sportive lives, team spirit and the achievements in the competitions they participate.



5th Biga Sancak Beyi Osman Bey Traditional Archery Festival

As İÇDAŞ, we also support the different sports branches that are out of club but played in our region. We sponsored the traditional Shooting and Archery Festival held in the name of Biga Flag Officer Osman Bey in Biga Çınarköprü Village on 7-8-9 August 2015. The festival organized in the area where Battle of Granicus was held ended after the horse shows, archery shows, illustration of the Battle of Granicus, award ceremony and offering various refreshments.

More than 500 domestic and international athletes participated in the organization and thousands of people from Biga and local people had the opportunity to watch the event. During the festival, the famous products and arts of Biga were exhibited.

In addition, the archers of 18 Mart University, Biga Vocational High School whom we incorporated into the İÇDAŞ Sports Club made a performance. Some of these athletes placed in different competitions.



Main Sponsorship for the Excavations in the ancient city of Parion Kemer village / Biga/ Çanakkale

The foundations of waking the Parion, a significant port city off the Marmara Sea of the Dardanelles located in the region called Propontis in ancient times from its deep sleep were laid by the surface surveys conducted by Prof. Dr. Cevat BAŞARAN and his team in 1997.

The most important result suggested by the surface surveys conducted in 1997, 1999 and 2002 was the fact that the cultural values of Parion which hosted a huge historical potential were vanishing day by day and scientific excavations must be initiated in Parion immediately. The excavation applications did not result in positively from 1997 and 2004; however, following the investment decision taken by İÇDAŞ, one of the most important industrial enterprises of our country and the region, in the area, the findings of Parion Southern Necropolis in the foundation excavations of the primary school construction initiated for the renewal of Kemer Village Primary School upon the request of Kemer Village Headman's Office clearly put forward that the decisions to start urgent scientific excavations in this area were so accurate and ignited the wick of waking Parion from its sleep.

The salvage excavations conducted by Çanakkale Museum with the support of İÇDAŞ Inc. and then scientific excavations started under the leadership of Prof. Dr. Cevat BAŞARAN in 2005. At the beginning, there were significant challenges in the excavations conducted under hard conditions; however the year 2008 was a turning

point and it was seen that there were still some people and organizations responsive to protecting cultural values and İÇDAŞ INC. Co, one of the important industrial enterprises of our country and the region undertook the main sponsorship of Parion excavations for 10 years.

Parion excavation gained great momentum and became one of the most important archaeological excavations of our country in terms of scope of the equipment and excavation team and the work volume. The excavations were conducted under the leadership of Prof. Dr. Cevat BAŞARAN from Erzurum Atatürk University, Department of Archeology From 2005 to 2014, And then following his quitting the excavation leadership due to health problems, the excavations have been now carried out under the leadership of Prof. Dr. Vedat KELEŞ who is the Head of Archeology Department, Ondokuz Mayıs University. Excavations participated by students and experts from various university continue mainly in 9 major sectors including restoration, conservation, landscaping, projects and publications. A Civilization is Awakening: The project called Parion confronts us as a good example of this kind of work. As İÇDAŞ, we support Parion excavations in terms of the provision of technical materials, services, logistics, accommodation, and participation in seminars and conferences, publications, and our sensitivity about bringing the cultural treasure of Parion out, protecting and transferring them to the future generations.



Main Sponsorship for Apollon Smintheion Excavations Gülpınar Town/ Ayvacık / Çanakkale

Started in 1980, Apollon Smintheion excavations have been carried out under the leadership of Prof Dr. Coşkun Özgünel, by a team of almost 30 people and with the support and supervision of the Ministry of Culture and Tourism. We have been carrying out the main sponsorship of these excavations since 2011. We have provided sponsorship worth 1,047,071 TL so far, 161,192 TL of which was in 2015.

We aim to maintain Apollon Smintheion Excavations for 10 years, exhibit the excavated works to visitors in a more qualified museum, reorganize the archeological site as a must-see tourist attraction and restore the Apollon Temple and bring it to the cultural world. We are planning to carry out all these targets with a total of four million TL sponsorship in 10 years.



2015 Activities

- In the position of the next two columns on the southeast corner of the temple, a base, drum, embossed drum, capital, architrave and imitation were raised up to be exhibited as the elements of frieze architectural facade layout.
- In the cella, naos parts of the temple, cleaning work was done and the foundation and beam walls of the infrastructure were highlighted.
- The gaps between the foundations were highlighted rubble stone blockade in line with the data obtained during the excavations.
- The surface cleaning was done in the architectural marble elements raised up again.
- One of the marble blocks cleans and having material problems, surface protection was used for testing purposed in order to evaluate the outcome for protecting the material.
- The ramps on the temple which were necessary for repair work were removed and the temple was unearthed in four directions.
- The activities for grouping of architectural blocks were carried out.

Outcomes and Intended Achievements

➤ SOCIAL

In the Parion excavations, the archeology students from almost all the universities in our country work on a volunteer basis and they add color to the social life of the region with the activities they organize in the excavation sites, Kemer village and Gülpınar town.

In the archeology meetings organized by Çabisak in Çanakkale after the end of excavations each year, the artifacts found in Parion excavations are shared with anyone having an interest in archeology and culture. Many schools around, non-governmental organizations and public officers visit Parion and Apollon Smintheion excavations collectively and they are provided with the on-site information by the excavation presidency and

contributions are made to raising the awareness of the public about cultural assets of our society.

While Parion Ancient Site and Apollon Smintheion excavations make cultural contributions to the Archeology world with their scientific data about ancient times, they will also make continuous contributions to the regional and domestic economy as a ruins that hosts increasing number of domestic and international visitors in the tourism sector. The internal and external number of stakeholders to be positively affected by the efforts will increase each year depending on the promotion of the excavations and will be 500 thousand people annually.

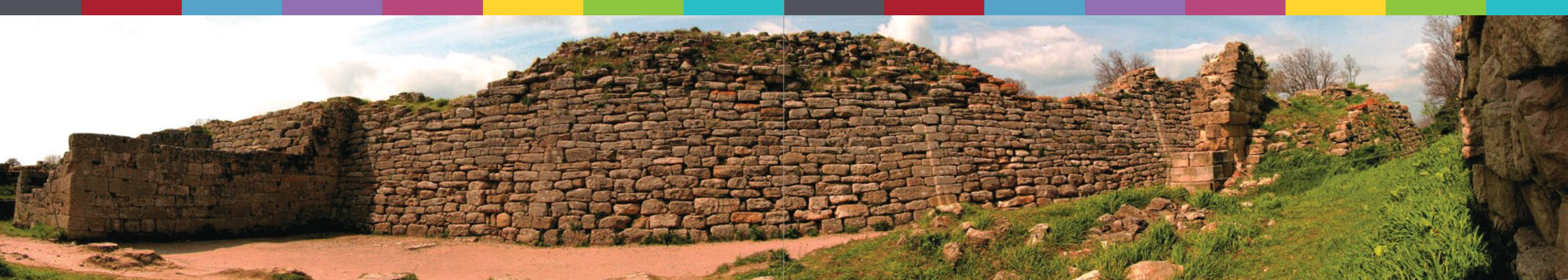
➤ CORPORATE

İÇDAŞ strengthens the corporate image in society by bringing the cultural heritage into society, enlightening the past experienced on these lands in the light of the science, supporting Parion excavations as an institution that contributes and respects all environmental values. We will keep on our support to Parion ve Apollon Smintheion excavations in accordance with our excavation sponsorship contract in the upcoming periods as well.

➤ ECONOMIC

The artifacts found in excavations arouse great interest among the public. Already, a thousand of visitors are coming to Kemer Village, while more than 30 thousand visitors are coming to the ruins of Smintheion and offer economic contributions to the region.





• TROY EXCAVATIONS •

Troy is undoubtedly the asset that has the broadest reputation in the entire world in Çanakkale area. Apollo Smintheion is a sanctuary in Troy and the findings found in here are of great importance supporting and strengthening the existence of Troy. In order to end the challenges that happened due to the lack of sponsors for Troy which is the subject of Homer's Iliad and a tourism brand of our region with the highest recognition in the world and to present this unique cultural treasure to the world tourism with its along with the Troy Museum under construction, İÇDAŞ decided to be the sponsor of the excavations for 5 years with a budget of 1 million TL.

We aim to increase the share of the people in Çanakkale which is obtained from tourism revenues by contributing to the increase in the visitors of the Troy ruins and to conduce to bringing new artifacts into light into the cultural assets of our country through new excavations.

The excavations started in 2015 with a team of 40 people. The stakeholders that would be positively affected by the project are almost 300 thousand people including Çanakkale 18 Mart University, Ministry of Culture and Tourism, visitors of the ruins, representatives of Çanakkale tourism sector.

Outcomes and Intended Achievements

➤ ECONOMIC

In the excavations, we aim to bring new artifacts into the global cultural heritage and to serve the domestic tourism with an increasing number of visitors by maintaining the Troy ruins regularly and continuously. Our short term goal is to increase the number of visitors to 200 thousand people annually by putting the Troy museum into service and make an additional contribution to the accommodation and other revenues of both the ruins and the tourism sector in Çanakkale.

➤ CORPORATE

Sponsoring the TROY excavations which is the brand with highest recognition of the world cultural heritage and our country is as an expression of our vision of sustainable production as İÇDAŞ. We will keep on our support to TROYA excavations in order to bring our cultural assets to our country, to allow our heritage to be brought into light, to contribute to the cultural and artistic promotion of our region and to improve our corporate image.

➤ SOCIAL

The excavation activities will be carried out with the participation of academic members and students from many different universities in the archeology world. Therefore, the scientists will make a contribution to the development of the science of archeology in our country and to increasing the prestige of our country in the global archeology with the artifacts found in these excavations and the papers they write. In addition, as the excavation activity is a dynamic process, we plan to introduce our city through many seminars, conferences, exhibitions and events in international arena throughout the year by sharing the developments experienced during the excavations with large masses.

➤ ENVIRONMENTAL

As an industry organization, we aim to be a role model with an emphasis on environmental values and our cultural heritage. Such activities in our country which is an open air museum with its rooted historical heritage will help the brand values of our industry organizations to take part in the internationally platforms with respect.

Little Archaeologists Project

İÇDAŞ not only supports the emergence of historical values through excavations, but also strives for the younger generation to be aware of these artifacts.

The second "little archaeologists" which has been implemented as a social responsibility project to create awareness of the historical monuments and heritage took place in 2015. Students aged between 7 and 17 in Çanakkale participated in excavations in the Ancient City of Parion and Apollo Smintheus Temple. Small archaeologists had information about historical places, and looked for historical artifacts in the 'simulation excavation area' prepared for them. After the event the students were given a "Small Archaeologist Certificate of Participation".

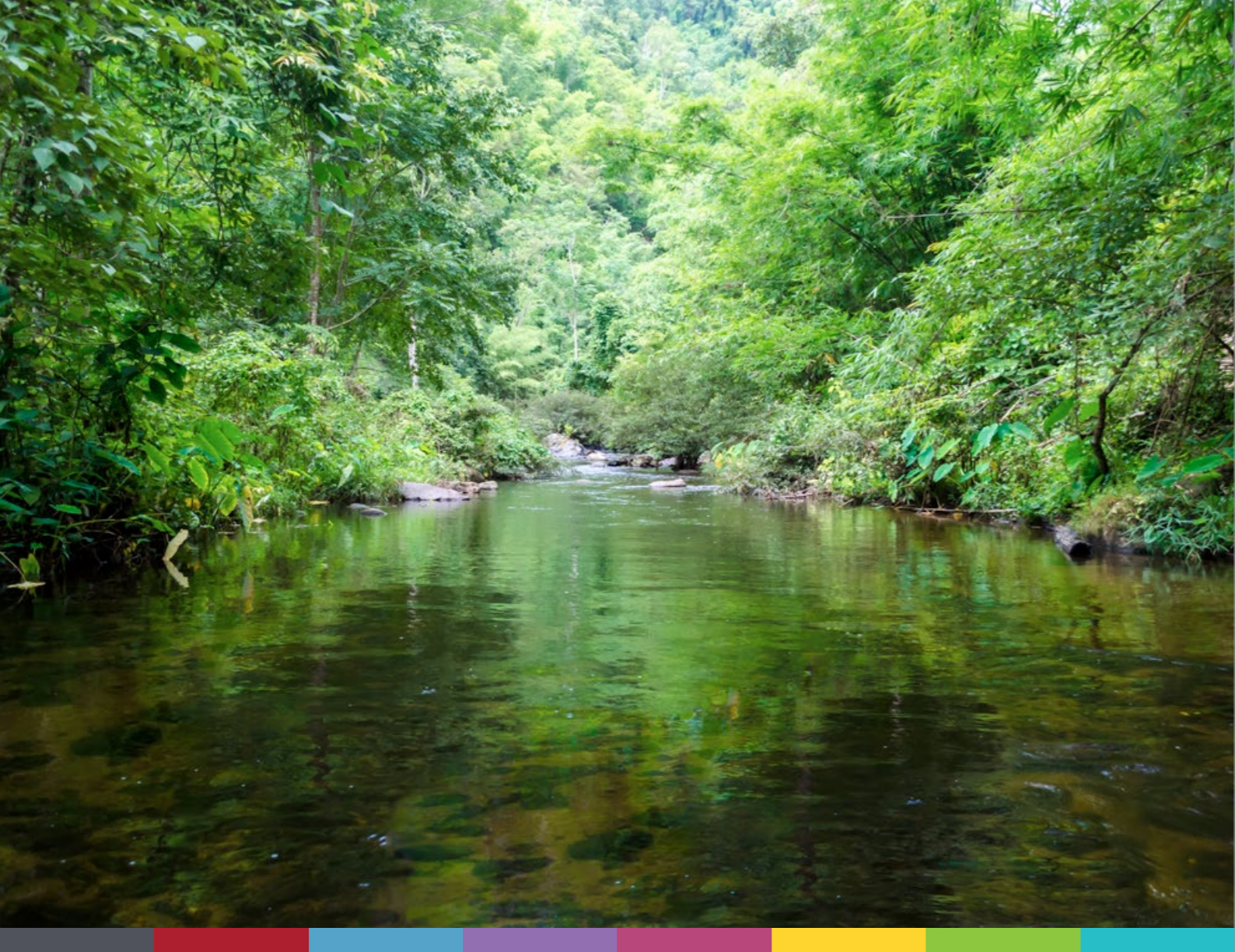
On the first day of the event, 19 Mayıs University Faculty of Arts and Head of the Department of Archeology Assoc. Dr. Vedat Keleş who headed the excavations in the ancient city of Parion gave information to the students and an excavation practice was done in the area. In Ancient City of Parion which dates back to the 8th century BC and which is the biggest excavation in Turkey and one of the most important ones in the world, an excavation area was created for the little archaeologists in the theater area. Little archaeologists tried to uncover some objects placed under the ground before.

Struggling to dig like professional archaeologists with small hoes, trowels and brushes at their hands learned the challenges of the uncovering historical artifacts and that it requires patience. They gathered the ceramic pieces and copper utensils they uncovered in the boxes they would move with precision. Then they washed them and examined the texts, symbols and signs on these pieces.

Highlighting that the historical awareness of children and young people will be raised with these projects, the excavation leader of the Ancient City of Parion Assoc. Dr. Vedat Keleş who headed the excavations in the ancient city of Parion Vedat Keleş stated that "It is very important to protect the historical monuments. Therefore, with this practice, we aim to raise more sensitive children in the next years about historical artifacts. Turkey is full of archaeological values. We ensure that those who participate in the event understand the archeology science and see the processes in which these archaeological artifacts are unearthed".

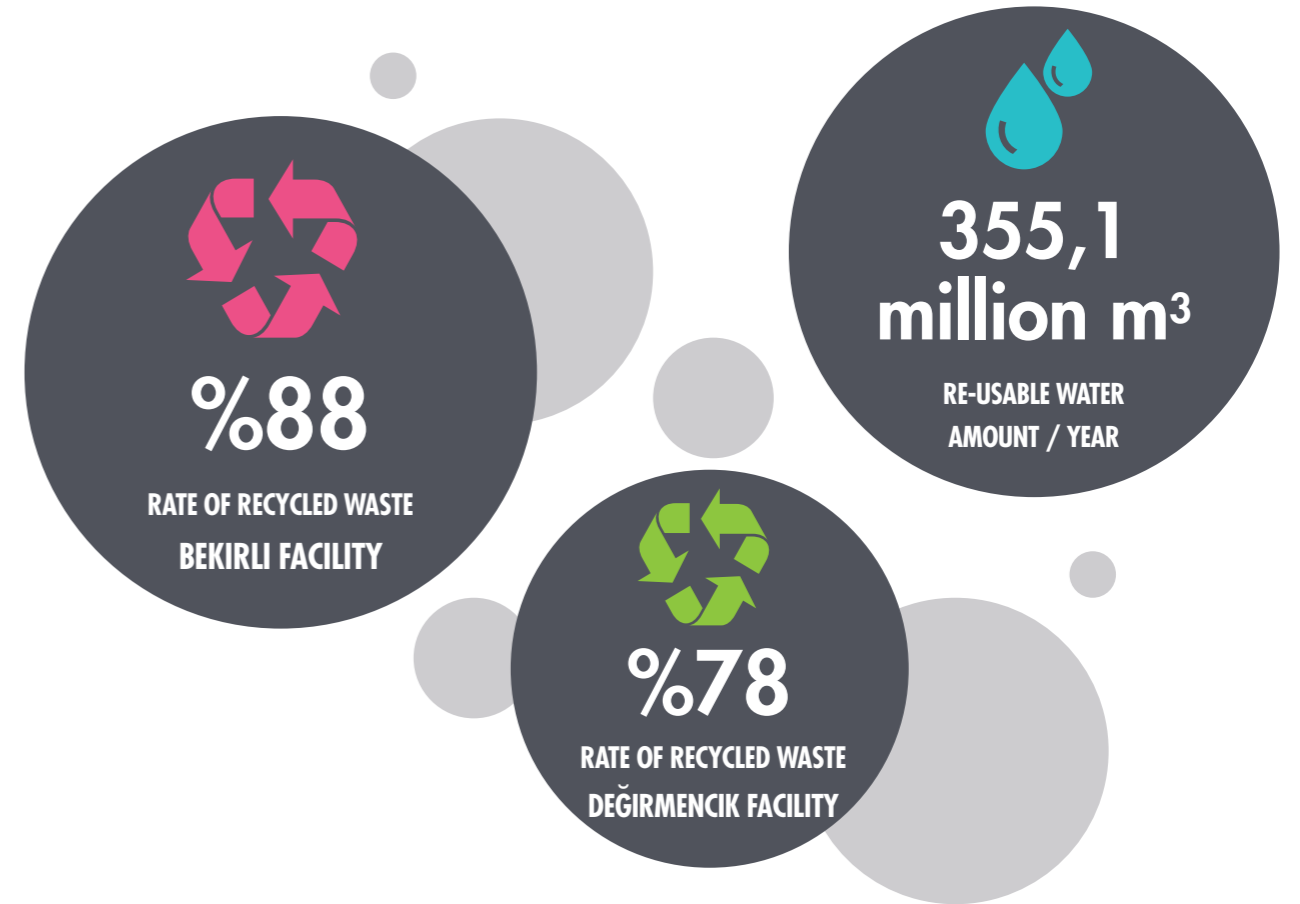
The second day of the little archaeologists event was held in one of the most sacred sites in the Northwestern Anatolia, Apollon Smintheion Temple dating back to the Hellenistic period (330-30 BC) and located in Gülpınar village of Ayvacık district, Çanakkale. The little archaeologists informed by Assoc. Dr. Vedat Keleş who headed the excavations in the ancient city of Parion Coşkun Özgünel made an excavation in here as well. While giving the Small Archaeologist Certificate of Participation to the students participating in the excavations, he stated that "The preservation of historical monuments and historical values is possible with you. We would like to have young people amateurishly specialized in these values. And we applaud İÇDAŞ wholeheartedly due to this social responsibility project".

The project was realized with the participation of 200 children.



OUR ENVIRONMENTAL PERFORMANCE

We manage all of our activities and our investments in İÇDAŞ within the framework of our environmental policy with a sustainable growth goal that allows for the prevention of environmental pollution, reduction of waste, efficient use of energy, control of emissions and responsible consumption of natural resources.



Since the day we were established, we have been keeping on our investment to protect the environment and human health both in our steel production facilities and power plants in all the processes from the selection of raw materials to the delivery of our products to customers.

Environmental Management

Değirmencik is the largest capacity steel plant with arc furnaces in our country. Every day, we melt thousands of tons of steel scrap and recycle with the most advanced technology and we turn them into steel products. We check the scrap in detail in all the stages from the selection, supply of auxiliary products and materials to their acceptance and processing in the facilities. (The information on Radiation Safety Management is included in the 'Health and Safety' section in our report.)

We transport our raw materials by sea and railways in order to keep its carbon emissions per unit production. İÇDAŞ had Turkey Locomotive Industry (TULOMSAS) manufactured 176 railway cars for the first time in Turkey and started to transport steel scrap by railways from different places of Anatolia.

The manufacturing techniques used in our facilities and all of our investments are compatible with the Best Available Techniques Reference Documents published by the European Union. We use the cleanest and most environmentally friendly production techniques in the world and continually improve these techniques. We carry out the activities related to more efficient use of natural resources and energy efficiency in accordance with ISO 50001 Energy Management System principles. We manage our environmental impacts in steel plants, power plants, lime plants, shipyards and ports with the ISO 14001 Environmental Management System.

In 2015, the total investment amount in the projects we developed to protect environment is over 290 million TL. 31% accounts for the operating costs of environmental investments.

Environmental Expenditure

ENVIRONMENTAL EXPENDITURE (TL)	2013	2014	2015
Operating costs of environmental activities	100.592.997 TL	111.427.820 TL	90.362.892 TL
Environmental Investments	8.825.315 TL	3.397.596 TL	199.740.258 TL
TOTAL	109.418.312 TL	114.825.416 TL	290.103.150 TL

Waste Management

We analyze the waste generated in our facilities on a regular basis and monitored the metal rates in the slag and flue dusts, and record them. We make improvements by comparing our waste per unit product to the values in the EU Best Available Techniques Reference Documents.

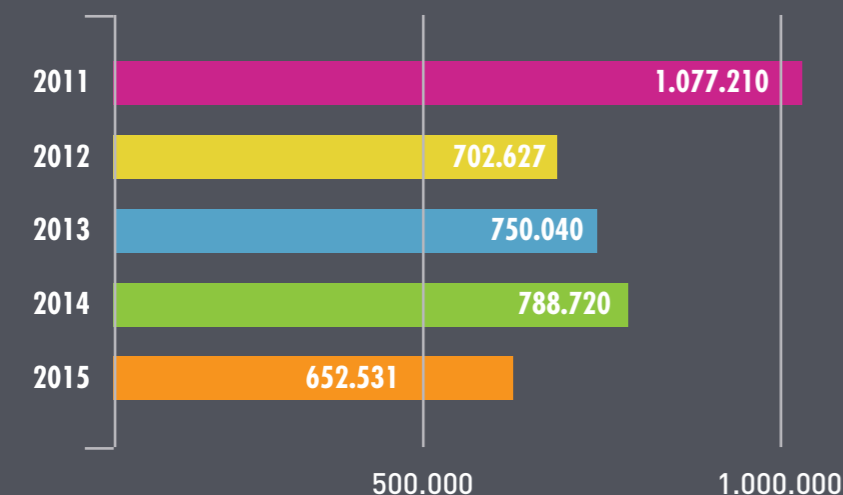
The most important issue in waste management is the process-related waste. The waste generated by our facilities is steel mill slag, steel mill flue dust, rolling mill scale and the thermal power plant ash. Except process waste, our facilities generate waste oils, ELT (End of Life Tyre), packaging waste and organic waste.

Our primary goal in waste management is the recovery of waste. Including the waste coming from ships to our port we collect all the waste separately and send them to the licensed recycling facilities or we dispose them of in accordance with the legislation. In 2015, we disposed of 55% of our waste by recycling, 15% by reuse and 8% recovery.

The arc furnace slags of İÇDAŞ are processed in our artificial aggregate facility, and are turned into artificial aggregate that has the EC Declaration of Conformity (CE Document). İÇDAŞ is the first and only steel plant that manufactures artificial aggregate from arc slags in the EC standards.

Our Değirmencik facility is the largest capacity recycling facility in our country as we are recovering more than 15 thousand tons of steel scrap per day during agricultural production.

TOTAL WASTE (ton)



• WATER MANAGEMENT²⁵ •

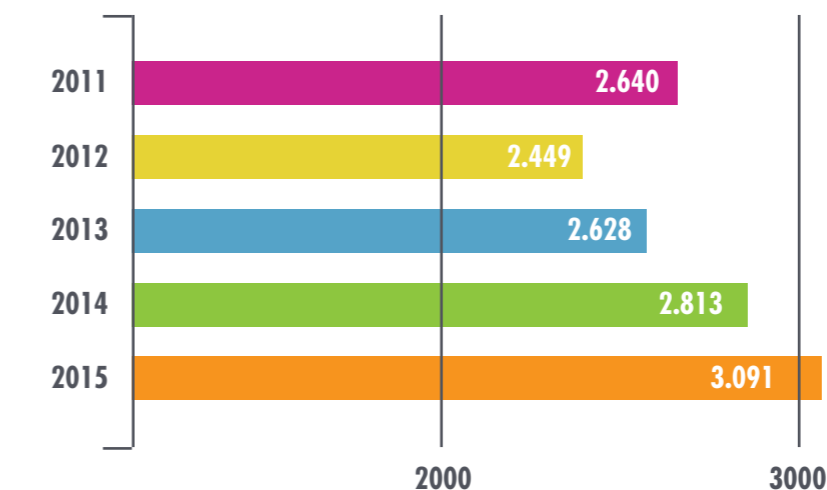
76 percent of our employees who participated in the sustainability questionnaire say that... 'The actions taken by İÇDAŞ in managing water resources and efficient use are enough.' The expectations of our employees in this issue have increased by 4% compared to last year.

In İÇDAŞ Değirmencik Integrated Facilities, we have been carrying out water management under a "Sustainable Water Management Project" with a holistic approach since 2007.

Our project was selected one of the best 24 practices in the field of Sustainable Development and Green Economy of Turkey by the Ministry of Development, United National Development Program (UNDP), Business World and Sustainable Development Association in 2012 and we were proud to represent our country in Rio+20 Summit held in Brazil.

As we obtain all the process and domestic water that we use in our facilities from sea, there is no water resource adversely affected by our activities due to water extraction. We meet 99% of our water requirements in steel plants, while 98% of it is met from the sea water in power plants.

Water Consumption(1.000 m³/year)



SUSTAINABLE WATER MANAGEMENT PROJECT²⁶

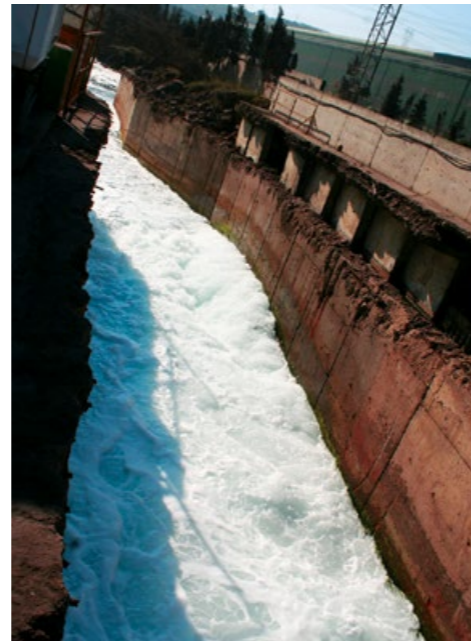
One of the most important natural resources used in our facilities is 'water'. While water is used in steel manufacturing, cooling down and bringing the steel into the desired quality standards, it is also important in cooling down the machinery and equipment in the facility. Water is one of the main sources in energy production. The energy released from fuel combustion makes the boiler water superheated steam and electrical energy is generated when the steam moves the turbines and then the generators.

In case all the facilities work at full capacity, the daily fresh water need of Değirmencik Integrated Facilities is about 8,000 m³. The use of water in our production processes in such intensity gives an important environmental aspect to water in terms of conservation of water resources and energy management. To this end, we put the "İçdaş Sustainable Water Management Project" into operation in 2007. We monitored technical and financial many parameters in operating the project efficiently and assessing its results.

Under the project, we completely ended the use of underground water, which is a limited resource, and we aim to meet all the fresh water needs of the facility from the sea as an unlimited resource, to generate electricity from the cooling water discharged to the sea and to establish a fish farm in the discharge water.

Facility to Produce Fresh Water from Seawater

The first phase of the three-step process is to obtain fresh water from seawater by reverse osmosis. With this facility, we aimed to completely put an end to the use of underground water by closing 32 wells and to meet the fresh water needs which were 3,500 m³/day in 2006 but expected to be 7,000 m³/day in parallel to the production completely from seawater. The total cost of the facility is around 3 million 650 thousand dollars. Although the cost of unit fresh water is higher than the well water, we have made this investment decision. We produce 12 thousand m³ fresh water in the facility per day. With this activity, we both protect the underground water and the use of the same resources in the agricultural area more efficiently. Another indirect positive effect is to decrease the risk of moving the seawater wedge towards the fresh water.



Fish Farming in the Cooling Water Discharge

The second stage of the practice is fish farming. We have aimed to farm 100 thousand sea bream and sea bass annually through fish farming in the cooling water discharge. With this project, we not only carry out fish farming activities in the cooling water discharge for the first time in our country, but also meet the 180 m³/hour water needs completely from this cooling water. Another important aspect of this project is to show that the effect of cooling water on the ecosystem is sustainable. What makes fish farming in cooling water discharge is that the temperature of such water is suitable for farming fish in all the seasons and it does not require any investment for water supply.

The first investment cost of the facility is 150 thousand dollars. With this project, we have farmed 195,730 sea brasses and 97,971 sea breams in the facility since 2008.



Electricity Generation from Cooling Water Discharge

The third part of the practice is the seawater HEPP project. (The details of this project are included on page 83) Section 'Energy Management'.)

Waste Water Management and Monitoring Water Quality

All the water we use in steel manufacturing is treated and recovered and then used again. We recover the vapor we use in the energy generation after we condense it. The only waste water that can be regarded as process-related is cooling water in our facilities. Since the cooling water extracted from the sea is able to cool the discharge water without contact and there is no chemical contamination, we can discharge such water into the sea again.

Other than the cooling water, we have domestic waste water discharge at 14 points and a car wash waste water discharge at a few points in Değirmencik facilities, while we have domestic waste water discharge at 4 different points, 2 physical and 1 chemical treatment in Bekirli facilities. We have Environmental Permit and Licenses for Waste Water Discharge for all the discharge points. While the domestic water mud is removed by the Municipality Sewage Truck, the car wash-related waste water is

treated in a physical treatment facility and then discharged to the receiving environment.

As the temperature parameter is required to be continuously monitored in the hot water discharge, a "Continuous Wastewater Monitoring System" is installed at one discharge point in Bekirli and 2 in Değirmencik facilities. We constantly monitor the temperature, pH, dissolved oxygen, conductivity and flow rate at stations and forward the results to the Ministry of Environment and Urban Development every five minutes.

In our facility, a waste water laboratory qualified by the Ministry of Urbanism and Environment, and accredited by Turkak is available. İÇDAŞ Environmental Control Laboratory has the world-class technical equipment in order to carry out all the analysis parameters it is authorized.

Outcomes and Intended Achievements

> ECONOMIC

Since the biodiversity in the sea is not affected thanks to the discharge of the cooling water in line with the standards, we do not have any impacts on the ecosystem and on the local people interested in fishing.

> SOCIAL

Environment and ecosystem is an issue that may affect everyone. With this system, we eliminate possible negative impacts.

> ENVIRONMENTAL

Continuous Wastewater Monitoring System project is one of the investments in the environment. As the cooling water extracted from the sea is discharged in accordance with the standards, there is no negative impact on the ecosystem. The use of sea water, which is a sustainable source is more a environmentally friendly method than the use of limited freshwater resources.

> CORPORATE

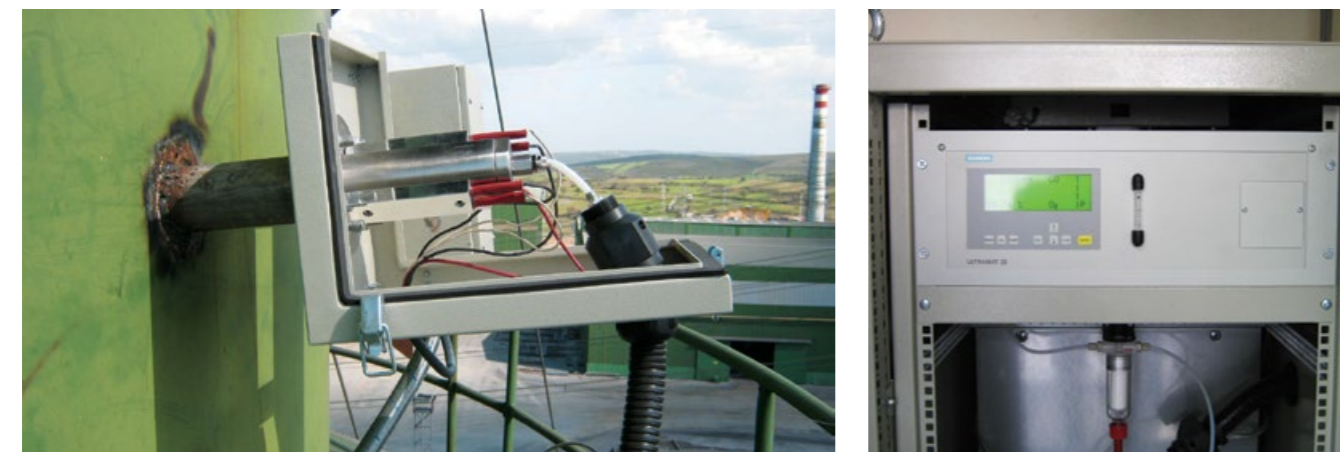
We are among the founders of the Continuous Wastewater Monitoring Stations in Turkey. Our corporate consciousness is our sensitivity to the environment. Therefore, we allocate large budgets to environmental impacts and environmental investments and are implementing the required applications.

EMISSIONS MANAGEMENT

In our enterprise that hosts energy and steel production facilities, emission is one of the most important environmental parameters. Emissions management is a part of environmental management in İÇDAŞ and is compliant with local legislation and the EU criteria. All the emission points in our facilities operate in line with the national limit values and International Best Available Techniques.

In addition to emission measurements carried out in chimneys, we have been performing the dust emissions measurements that have to be done every two years and at two points according to the legislation at eight stations established on the borders of the facility and we have been reporting them since 2006.

The dust retention efficiency for the dust filter bags and the fume absorption and dust collection system used in steel production and lime plants is 99.99% for the dust particles over a micron.



Monitoring Carbon Emissions

In 2010, we became the first facility in Turkey that calculated the carbon footprint arising from steel manufacturing. As a result of activities carried out in calculating the carbon footprint and sustainability, we have received a Sustainable Steel Certificate from the British CARES organization in 2011.

In order to take the greenhouse gas inventory of our company, 13 personnel received a training on ISO14064-1 Recognition of the Guide on Calculating and Reporting Greenhouse Gas and Removals at the Organizational Level provided by Bureau Veritas. In 2011, the amount of greenhouse gases was audited by Bureau Veritas in October 2012 and certified upon being approved in December 2012. We created the carbon management framework for the calculation, reporting and management of greenhouse gas emissions and we have been performing our greenhouse gas calculations in accordance with ISO 14064 since 2012.

The Regulations on the Follow-up of Greenhouse Gas Emissions which was the basis of the implementation of the actions to be taken in establishing climate protection policies and struggling against the climate change in our country was put into force in April

2012. The Regulations include the procedures and principles on monitoring the greenhouse gases to be generated in the activities such as electricity and steam production, cement, steel, aluminum and ceramics, which constitute a significant portion of emissions, at the facility level and their verification and reporting to the Ministry of Environment and Urban Planning. The infrastructure that we have established so far and the measurements we have made as a company provide us with ease in fulfilling our legal obligations in the next period.

We calculate the carbon footprint for 2015 in accordance with the Ministry of Environment and Urban Planning, "Regulations on the Follow-up of Greenhouse Gas Emissions" published in the Official Gazette No.29003 on 17 MAY 2014 and Circular on Monitoring and Reporting the Greenhouse Gas Emissions published in the Official Gazette No.29068 on 22 July 2014. The previous calculations were made in accordance with the ISO14064-1 Recognition of the Guide on Calculating and Reporting Greenhouse Gas and Removals at the Organizational Level.

DIRECT GREENHOUSE GAS EMISSIONS(T CO ₂)	YEAR	DIRECT CO ₂ EMISSIONS***
STEEL FACILITIES	2011	822.105,00
	2012	703.831,00
	2013	790.831,00
	2014	679.811,20
POWER PLANT	2011	3.395.524,00
	2012	3.085.942,00
	2013	3.162.852,00
	2014	2.869.405,10
SHIPYARD	2011	0
	2012	0
	2013	0
	2014	0
AUXILIARY FACILITIES	2011	121.053,00
	2012	225.757,00
	2013	223.611,00
	2014	204.539,80

2015 EMISSION SOURCES *	GREENHOUSE GAS EMISSION AMOUNTS (ton CO ₂)
İÇDAŞ DEĞİRMENCİK FACILITIES	2.299.624
İÇDAŞ BEKİRLİ FACILITIES	2.556.619

*2015 data were recalculated based on the new circulars of the Ministry of Environment and Urban Planning.

Monitoring the Air Quality with Continuous Emission Measurement System (SEÖS)

Under the circular on “Continuous Emission Measurement Systems”, “”, we completed the system that measures CO, O₂, volumetric flow, dust parameters in the Lime Kiln chimney in November 2015 with almost 150 thousand TL budget in addition to the systems we established in Değirmencik and Bekirli Facilities. We established the infrastructure of the system launched to monitor the emissions from the plant chimneys by the Ministry of Environment and Urban Planning in 2007. Although we had not had any obligations to publish these data in that period, we were measuring the emission values instantly using the continuous emission gauges in the chimneys of the steel facilities and thermal power plant and we were publishing these data on the corporate website (www.icdas.com.tr) together with the camera images of the chimneys based on the transparency principle. With this system, we continue to manage our initiative that began on a voluntary basis under the legal obligation today.



• ENERGY MANAGEMENT •

75 percent of our employees who participated in the sustainability questionnaire say that... ‘İçdaş’s energy efficiency investments and activities towards the goal of making production with the awareness on environmental issues are enough.’
The expectations of our employees in this issue have increased by 3% compared to last year.

The share of the steel industry that needs high amount of energy within the total energy consumption of Turkey is around 6%, while the share within the energy consumption of all the industries is around 15%. Given these rates, the environmental importance of the efficiency to be achieved in energy production and consumption is so high. Energy efficiency is compatible with the measures that boost energy security and the reduction in emissions though energy efficiency directly affects the climate protection.

As in all the facilities with arch furnaces in steel production, 65% of the total energy needs account for the electrical energy in İÇDAŞ. Fossil fuels are largely used in electricity production in Turkey.

Under the activities of ISO 50001 Energy Management System in İÇDAŞ facilities, we have been implementing our improvement actions plans to protect the energy and natural

resources and to achieve maximum performance in facilities through measures taken to decrease electricity and natural gas consumption in facilities, and we monitor our performance. We work on the projects on the recycling of the waste heat in the steel mills and rolling mills together with the international companies specialized in their area of business. We prefer energy efficient lighting products in our facilities.

Our energy efficiency practices have thought us the philosophy to do the same quality work/service by creating less CO₂ emissions and therefore with less costs. Thanks to the energy we have acquired, we are contributing to reducing our country’s foreign dependency as well. We get the chance to become more competitive by following the technological developments, continually exploring the best practice opportunities and reducing our costs.

ELECTRICAL CONSUMPTION	YEAR	ELECTRICITY (kWh)
STEEL FACILITIES	2011	2.143.439.394,70
	2012	2.176.757.065,20
	2013	2.316.760.582,60
	2014	2.156.661.165,60
	2015	1.841.771.646,70
POWER PLANT	2011	315.244.466,00
	2012	313.784.489,00
	2013	314.889.499,00
	2014	320.517.321,00
	2015	288.378.379,40
SHIPYARD	2011	1.243.204,20
	2012	2.075.630,00
	2013	1.864.743,70
	2014	1.635.093,10
	2015	1.881.116,70
AUXILIARY FACILITIES	2011	185.123.411,10
	2012	207.669.715,00
	2013	206.265.103,70
	2014	209.881.621,30
	2015	203.547.046,60



Electricity Generation from Cooling Water Discharge

In 2008, we started to take actions to establish hydraulic turbines on the cooling water discharge line of the steel facilities and thermal power plant. We commissioned the facilities in 2009 in order to generate electrical energy from seawater. In 2011, we commissioned four 6000 kWh installed hydroelectrical power plants that we built at the cooling water discharge points of the steel facility and thermal power plant No.2 with an investment of 15 million USD.

We use contactless sea water cooling systems in order to cool the water used in our products and machinery in the steel plant, and the vapor used in the thermal power plant. We discharge the seawater that cools the process water into the sea again. The energy spent in 2015 to press the water into the thermal power plant at 30 cm elevation and the steel plant at 50 cm elevation was around 99 million kWh due to the field conditions of water.

As a result of the recovery of 25% of such energy with HEPP, we get economic and social, and environmental benefits. In 2014, we used the 24.1 million kilowatt hours of electricity that we generated in p-our hydroelectric and steel power plants and we produced an economic value of TL 4.8 million in the name of our company.

Given the fact that the annual average power consumption is 2,490 kWh 11 per capita in Turkey, we are producing the energy to be consumed by more than 11 thousand people in a year in our own facilities without creating emissions and by ensuring the efficiency conditions instead of extracting it from the grid and we are using it in our processes.

Hot Charging Application

To improve energy efficiency, therefore to reduce carbon emissions and reduce energy costs, we performed our hot charging application project in Steel Mill 3 and Rolling Mill 5 that we started in November 2013 and completed in March 2014. Trying to put this practice into operation in other rolling lines with the sustainable improvement principle, we had a total of 5,450,227,089 TL economic gain in 2015 and also reduced gas consumption. In addition, we reduced the risk of any occupational accidents as a result of less Scheuerle transport and forklift movement.

BIODIVERSITY CONSERVATION

We think that sustainable development and biodiversity conservation are two inseparable issues. Biodiversity is an important indicator where we can see the results of the environmentally-friendly production techniques we use in our industrial activities and the measures we take for the protection of the environment. In addition, biodiversity conservation means the protection of the ecosystem balance, which also means protection of the needs of future generations and therefore includes social benefits. Monitoring and protection of biodiversity is of paramount importance as it serves the two out of three elements of sustainable growth, namely contributing to both the environment and the society.

Our systematic field work related to monitoring of biodiversity to identify the plants and animal species in and around the facility started with the photography taken by our biologist. At first, we started to record the species in the forestry and freshwater ecosystems around the facilities. We have been carrying out monitoring work in terrestrial, aquatic and marine ecosystems around our facilities since 2013. This work continues with steady weekly field trips and as our facilities are located in an area both marine-coastal ecosystems and forest ecosystems are found.

In the studies on marine ecosystem, we have received assistance from the On Sekiz Mart University, School of Marine Science and Technology. Considering some species on phylum basis in 19 diving observations; we have identified 69 species including 35 species of fish, 2 species of arthropod, 5 species of Polychaeta worms, 5 species of echinoderm, 4 species of Knids, 13 species of mollusk, 5 species of macro algae.

In the study we conducted on land, we benefitted from the Ecosystem Monitoring Reports that we prepared under the WPP project. The Ecosystem Assessment Report for spring months was issued by Hacettepe University, Department of Biology, while the Ornithological Monitoring Report for autumn was issued by the Mediterranean University, Department of Biology We obtained other data in the report from the systematic field observations.

We created a park where farm animals live in the garden of Değirmencik Integrated Facilities. Animals can move freely in a total of 33 decares including 10 decares of forestry, 20 decares of outdoor and 3 decares of rivers and are raised in line with ecological conditions. In this area; chicken, rabbit, turkey, geese, duck, sheep, peacocks, quail, swan, pigeon, dove species are found.



As a result of the evaluations made by IUCN (International Wildlife and Natural Resource Conservation Union) in Europe, based on the Red List, there is one species among the wild mammal species in the category of "NT" (Near Threatened) which means "Close to be Endangered". According to IUCN, EN (Endangered): A species highly likely to become extinct in the wild life (Vulture - Neophron percnopterus) and VU (Vulnerable) (Damageable): A species which has the risk of becoming extinct in the wild life. (Greater spotted eagle- Aquila clanga)

In our region, the total number of animal species that lives in our region permanently or uses the migration routes in our region is 386. The number of listed plant species is 146.

Ornithological and Wildlife Observation Activities, one of the studies conducted in the terrestrial ecosystem is performed in company with the Mediterranean University and local and migratory species are identified. We issue 3-month reports in this activity where we identify migration routes. Numerous predator species such as white pelicans, white storks, red-rumped swallows and barn swallows, and endemic species are not available. They are generally migratory species. Species like gulls, sparrows and cormorants are among the local species of this region. It is known that Caretta Caretta sea turtles live in our region.

We intend to report our work each year.

We will compare these reports and prepare final reports. We aim that these results which are of fundamental importance for our future generate new projects. We will identify specific endemic or endangered species in the region through field studies, and we will improve protection projects for such species.



Artificial Reefs and Biodiversity Support Project

Çanakkale has 8% of Turkey's coasts with a coastline of 671 kilometers. Within the borders of the city, there are two islands that are rich in fishing grounds with 137 km coastline (Imvros and Bozcada), the Dardanelles which is 62 km in length and has great importance in terms of migration routes of fish, and a significant part of the Gulf of Saros which is important terms of fishery resources. In addition, the fact that one of the starting points of international waters in Aegean Sea is in Çanakkale makes the city one of the most important fishing centers in Turkey.

More than a thousand coastal fishing boats and around ten seine vessels operate in the region. Almost a hundred troll and seine boats come from Marmara and Black Sea as well almost a hundred boats during summer to Çanakkale water for scoop netting.

Based on the idea that the artificial reef units to be created in these areas will support professional and amateur fishermen, we started the project by signing a protocol with the On Sekiz Mart University in June 2013.

The purpose of the project;

- Supporting local fishing including professional, amateur, small-scale and industrial fisheries
- Contributing to the protection and development of marine biodiversity
- Providing a suitable environment to the living creatures in the sea in the region, supporting the increase in the amount of living creatures
- Creating and maintaining feeding and protection grounds for some species
- Preventing illegal fishing activities

Under this protocol, diving activities were conducted by the Faculty of Marine Sciences and Technology in and around our port and the first underwater identifications on the existing biodiversity were made. Under the project titled "Çanakkale will Breath by Enhancement of Fishing Biodiversity" prepared by the surrounding villages after this project, diving activities were conducted in 17 points in Çanakkale and artificial reef areas were determined. A total of three areas including one in Değirmencik Village and two areas in Bekirli Village were deemed appropriate for artificial reef activities. We decided to implement the Artificial Reef project based on the feasibility results report issued in March 2014. With the completion of the permit processes, we started to implement the project in October 2014. We have allocated a total budget of 750 thousand TL for the project completed in July 2015 and 979 artificial reefs in total were created, including 679 in Değirmencik, and 280 in Bekirli. Based on the observations, it was found that there is no change in the number of fish diversity but an increase in the number of fish and the fish used the reefs as nesting areas.

TÜBİTAK MAM Biga Peninsula Environmental Monitoring Project

Upon the recommendation of our Environmental Management Departments, we intended to monitor the regional ecosystem a year before we commissioned the facilities in order to monitor the effectiveness of the measures we take to protect the environment and to provide our stakeholders with scientific data in our Thermal Power Plant started to be constructed in 2009. The project that began in July 2010 is one of the largest environmental monitoring projects in our country in terms of scope and content. The scope of the project which will continue for five years following the operation is an area of 40 thousand km² where our facilities are located in the center from the Marmara Sea and the Gulf of Edremit and contains all our facilities in the area, and it includes all our facilities in the region. We chose TUBITAK MAM for execution of the project thinking that executing the project by a public institution would be impartial and credible and as the scope of the project is very large. We finance the project with a total cost of 750 thousand TL as İÇDAŞ.

We expanded the scope of the project initiated to monitor the emissions at the first stage and we put the project into the final form in the meetings with various experts of

TÜBİTAK MAM. To provide a comprehensive ecosystem monitoring, we started to monitor air, soil, surface fresh water, sea water, ground water and rain water quality, vegetation, water and emission discharges at the plant and noise.

Under the project, monitoring stations are available in the region starting with the Marmara Sea coasts of the Biga peninsula up to the foot of the Mount Ida. The stations are visited each month regularly by TÜBİTAK MAM personnel and all the samples are taken in almost 3-4 days and the monitoring activities continue. The analysis results are presented as a report every 6 months by TÜBİTAK MAM and submitted to us. We submit a copy of these reports to the Ministry of Environment and Urban Planning.

TÜBİTAK MAM has issued 11 interim reports so far including the tenth and eleventh in 2015 under the project which will complete its fifth year. The investment amount in the project that has a total period of 78 months is 743 thousand 717 TL so far and the total cost of the project is 892 thousand 715 TL.

Outcomes and Achievements

➤ ECONOMIC

Although the project does not provide direct financial contribution to our company, we believe in the long term, it will provide significant environmental and institutional benefits stemming from the project.

➤ ENVIRONMENTAL

With this project, we will ensure the securing of the ecosystem. With this Project, very important data will be obtained upon the completion of thousands of analysis on air, soil and water quality in the Biga Peninsula. There will be comprehensive study that covers all the region on how the environmental parameters in the regional ecology will be oscillated in time and the reasons of these oscillations. This work closely affects the plants, animals and abiotic system in the region as well as local people.

➤ SOCIAL

The project can be applicable after some revisions are made based on the specific conditions of the region in other industrial facilities in other regions. The technical officials of TÜBİTAK MAM and our company have the opportunity to acquire many new experiences with this project.

➤ CORPORATE

Monitoring the ecosystem in the region by independent public institutions shows the self-confidence of our company and increases the confidence of our stakeholders in the region in our facilities.

PERFORMANCE INDICATORS

• ECONOMIC •

ECONOMIC VALUE CREATED AND DISTRIBUTED	UNIT	İÇDAŞ STEEL ENERGY	İÇDAŞ ELECTRICITY GENERATION	GRI
Economic Value Created (Income)	TL	5,996,548,176	984,977,495	EC1
ECONOMIC VALUE DISTRIBUTED TO STAKEHOLDERS				
Operational costs	TL	5,453,892,058	1,024,825,500	EC1
Benefits for employees	TL	232,862,151	52,224,616	EC1
Benefit for state	TL	369,673,268	62,737,896	EC1
Benefits for capital suppliers	TL	0	0	EC1
Benefits for the society	TL	1,057,464	5,206,943	EC1
Economic value not distributed (profit)	TL	-60,936,766	-160,017,460	EC1

PERFORMANCE INDICATORS

• SOCIAL •

REGION: TURKEY		FEMALE			MALE			
ACCIDENTS	UNIT	2013	2014	2015	2013	2014	2015	GRI
Accident frequency rate	Rate	23.9	7.79	5.85	17.08	16.96	12.33	LA6
Occupational disease rate	Rate	0	0	0	0	0	0	
Death	Number/Year	0	0	0	0	1	1	
LOST DAYS	UNIT	2013	2014	2015	2013	2014	2015	GRI
Lost day rate due to occupational accident	Rate	4.77	1.56	0.4	3.39	3.14	3.44	LA6
Lost day rate (absence rate) for such reasons as illness etc.	Rate	2.12	2.05	2.09	75.29	74.73	79.92	

Number of accidents related to sub-employers are followed. Other data is not available.

**Accident frequency: number of accidents that occur in one million work hour

NA=Total number of accidents / (Total number of employeesx300 daysx7,5 hours) - (total lost days x7,5 hours) x 1.000.000

1 accident involving death=7.500 lost days

ACCIDENT TYPES	Excessive muscle strain	Contact with excessive heat
	Puncture or stinging by an object	Cut caused by an object
	Burr splash	Splashing of chemical substance to the eye
	Clash of moving object and the person	Getting squeezed between two objects
	Fall of a person	Fall of a piece
	Clash with a stable object or person	Traffic accidents
	Exposure to toxic and detrimental substance	

EDUCATIONAL INVESTMENTS		ALL EDUCATION					
ACCORDING TO EMPLOYEE CATEGORY	UNIT	2011	2012	2013	2014	2015	GRI
Senior Management	Man/hour	8,4	6,7	4,6	1	10	LA9
Medium level managers	Man/hour	12,8	29,8	10,2	6,86	11,2	
Supervisors	Man/hour	38,9	36,7	9,7	5,88	13,62	
Manager / Engineers	Man/hour	46,6	34,3	19	11,88	22,63	
Other personnel	Man/hour	20,9	11,4	8,4	15,46	16,69	
ACCORDING TO GENDER	UNIT	2011	2012	20*13	2014	2015	GRI
Male	Man/hour	23,4	13,9	9,7	15,1	20,3	LA9
Female	Man/hour	36,5	15	11	4,6	8,2	

EDUCATION TYPES	UNIT	2013	2014	2015	GRI
Occupational Development	Hour	5.985	25.217	8749,7	LA9
Personal Development	Hour	24.792	1.944	1910	
Labour Health and Safety	Hour	32.834,50	38.164,80	36946,5	
Other (explain if any)	Hour	11.767	58.68,2	37357	
Total Education Hour	Hour	75.378,50	71.194	84963,2	

EDUCATIONAL INVESTMENTS		LABOUR HEALTH AND SAFETY TRAININGS					OTHER TRAININGS					
According to Employee Category	UNIT	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015	GRI
Senior Management	Man/hour	0,7	m.d	1	m.d	8	7,7	6,7	3,6	1	2	LA10
Medium Level Managers	Man/hour	2	7,3	1,9	4,6	7,6	10,8	22,5	8,3	2,3	3,6	
Supervisors	Man/hour	10,2	17,3	1,8	5,2	11,48	28,7	19,4	7,9	0,7	2,14	
Manager/Engineers	Man/hour	23,7	16,4	9,5	8,5	19,39	22,9	17,9	9,5	3,4	3,24	
Other Personnel	Man/hour	12,2	7,4	2,3	11,1	11,57	8,7	4	6,1	4,36	5,12	
According to Gender	UNIT	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015	GRI
Male	Man/hour	13,3	8,6	2,7	14,4	11,608	10,1	5,3	7	0,72	8,7	LA10
Female	Man/hour	18,2	6,5	3,1	3,3	7,1	18,3	8,5	7,9	1,3	1,1	

WORK FORCE ²⁷							
ACCORDING TO EMPLOYMENT TYPE	UNIT	2011	2012	2013	2014	2015	GRI
White Collar - Female	Person	84	88	97	91	92	G4-10
White Collar - Male	Person	393	452	513	526	515	
Blue Collar - Female	Person	35	63	75	35	30	
Blue Collar - Male	Person	3.615	4.043	4.159	4.150	3.987	
TOTAL	Person	4.127	4.646	4.844	4.802	4.624	
ACCORDING TO CONTRACT TYPE	UNIT	2011	2012	2013	2014	2015	GRI
Full-time Employee - Female	Person	119	151	172	126	122	G4-10
Full-time Employee - Male	Person	4.007	4.494	4.671	4.675	4.501	
Part-Time Employee- Female	Person	0	0	0	0	0	
Part-Time Employee - Male	Person	1	1	1	1	1	
ACCORDING TO LOCATION	UNIT	2011	2012	2013	2014	2015	GRI
Working in İstanbul Office - Female	Person	71	75	79	69	72	G4-10
Working in İstanbul Office - Male	Person	314	320	338	332	341	
Working in Değirmecik Integrated Facility-Fem.	Person	19	28	44	30	30	
Working in Değirmecik Integrated Facility - Mal.	Person	2.863	3.167	3.380	3.525	3.451	
Working in Bekirli Thermal Power Plant- Fem.	Person	29	48	49	27	20	
Working in Bekirli Thermal Power Plant- Mal.	Person	751	919	840	698	597	
Working in Anatolia- Fem.	Person	0	0	0	0	0	
Working in Anatolia- Mal.	Person	80	89	114	121	113	
ACCORDING TO GENDER	UNIT	2011	2012	2013	2014	2015	GRI
Male	Person	4.008	4.495	4.672	4.676	4.502	LA12
	Percentage	97,12%	96,70%	96,45%	97,38%	97,36%	
Female	Person	119	151	172	126	122	
	Percentage	2,88%	3,30%	3,55%	2,62%	2,64%	
ACCORDING TO AGE	UNIT	2011	2012	2013	2014	2015	GRI
30 years and below	Female	51	56	58	46	45	LA12
	Percentage	1,24%	1,21%	1,20%	0,96%	0,97%	
	Male	1.580	1.602	1.414	1.384	1.463	
	Percentage	38,28%	34,48%	29,19%	28,82%	31,64%	
Between 30-50 years	Female	59	88	104	69	65	
	Percentage	1,43%	1,89%	2,15%	1,44%	1,41%	
	Male	2.311	2.760	3.101	3.134	2.883	
	Percentage	56,00%	59,41%	64,02%	65,26%	62,35%	
50 Years and Above	Female	9	7	10	11	12	
	Percentage	1,00%	1,00%	0,21%	0,23%	0,26%	
	Male	117	133	157	158	156	
	Percentage	2,83%	2,86%	3,24%	3,29%	3,37%	

WORK FORCE							
OTHER GROUPS	UNIT	2011	2012	2013	2014	2015	GRI
Foreigner	Female	12	30	30	8	4	LA12
	Percentage	0,29%	0,65%	0,62%	0,17%	0,09%	
	Male	90	219	206	84	47	
	Percentage	2,18%	4,41%	4,25%	1,75%	1,02%	
Handicapped	Female	4	8	7	4	4	
	Percentage	0,10%	0,17%	0,14%	0,08%	0,09%	
	Male	104	117	119	125	118	
	Percentage	2,52%	2,52%	2,46%	2,60%	2,55%	
ACCORDING TO MANAGEMENT CATEGORY	UNIT	2011	2012	2013	2014	2015	GRI
Senior Management	Female	0	0	0	0	0	LA12
	Percentage	0,00%	0,00%	0,00%	0,00%	0,00%	
	Male	11	9	9	8	6	
	Percentage	0,27%	0,19%	0,19%	0,17%	0,13%	
Medium Level Managers	Female	7	7	7	5	4	
	Percentage	0,17%	0,15%	0,14%	0,10%	0,09%	
	Male	51	48	51	51	48	
	Percentage	1,24%	1,03%	1,05%	1,06%	1,04%	
Supervisors	Kadın	7	8	9	10	10	
	Oran	0,17%	0,17%	0,19%	0,21%	0,22%	
	Erkek	133	123	138	138	173	
	Oran	3,22%	2,65%	2,85%	2,87%	3,74%	
Manager/Engineers	Kadın	15	17	25	21	21	
	Oran	0,36%	0,37%	0,52%	0,44%	0,45%	
	Erkek	219	249	264	263	267	
	Oran	5,31%	5,36%	5,46%	5,48%	5,77%	
Other Personnel	Kadın	90	119	131	90	93	
	Oran	2,18%	2,56%	2,71%	1,87%	2,01%	
	Erkek	3.588	4.059	4.204	4.216	4.002	
	Oran	86,94%	87,37%	86,90%	87,80%	86,55%	

STRUCTURE OF THE EXECUTIVE BOARD	UNIT	2011	2012	2013	2014	2015	GRI
Female Members	Ratio	0,00%	0,00%	0,00%	0,00%	0,00%	LA12
30 years and below	Ratio	0,00%	0,00%	0,00%	0,00%	0,00%	
Between 30 - 50 years	Ratio	33,33%	33,33%	33,33%	0,00%	0,00%	
50 Years and Above	Ratio	66,67%	66,67%	66,67%	100%	100%	
Foreigner	Ratio	0,00%	0,00%	0,00%	0,00%	0,00%	
Handicapped	Ratio	0,00%	0,00%	0,00%	0,00%	0,00%	

STATUS	PLACE	2014	2015	2015 FIGURES
Senior Manager Employment Status	Other	64%	63%	37
	Local	36%	37%	21
BEKİRLİ Employees Employment Status	Other	25%	28%	171
	Local	75%	72%	443
DEĞİRMENCİK Employees Employment Status	Other	17%	17%	583
	Local	83%	83%	2851

	2014	2015
Ratio of employees under collective labour agreements to total number of employees ²⁸	44,41%	47,10%



PERFORMANCE INDICATORS

• ENVIRONMENTAL •

SECONDARY ENERGY PURCHASED FROM NON-RENEWABLE ENERGY SOURCES AND CONSUMED	YEAR	ELECTRICITY (KWH)	ELECTRICITY(GJ)	GRI
STEEL FACILITIES	2011	2,143,439,394.70	7,716,381.80	EN3
	2012	2,176,757,065.20	7,836,325.40	
	2013	2,316,760,582.60	8,340,271.40	
	2014	2,156,661,165.60	7,763,918.10	
	2015	1,841,771,646.70	6,630,377.93	
POWER PLANT	2011	315,244,466.00	1,134,880.10	
	2012	313,784,489.00	1,129,624.20	
	2013	314,889,499.00	1,133,593.10	
	2014	320,517,321.00	1,153,862.40	
	2015	288,378,379.40	1,038,162.20	
SHIPYARD	2011	1,243,204.20	4,475.50	
	2012	2,075,630.00	7,472.30	
	2013	1,864,743.70	6,713.00	
	2014	1,635,093.10	5,886.30	
	2015	1,881,116.70	6,772.00	
AUXILIARY FACILITIES	2011	185,123,411.10	666,444.30	
	2012	207,669,715.00	747,611.00	
	2013	206,265,103.70	742,548.40	
	2014	209,881,621.30	755,567.80	
	2015	203,547,046.60	732,769.40	

ENERGY GENERATED FROM RENEWABLE ENERGY SOURCES AND CONSUMED WITHIN THE FACILITY	YEAR	HYDROELECTRIC (kWh)	HYDROELECTRIC (GJ)	GRI
STEEL FACILITIES (HES4)	2011	4,766,000.00	17,157.60	EN3
	2012	6,125,000.00	22,050.00	
	2013	7,945,000.00	28,601.80	
	2014	7,934,000.00	28,562.40	
	2015	6,834,000.00	24,602.40	
POWER PLANT (HES1-2-3)	2011	15,300,800.00	55,082.90	
	2012	19,366,000.00	69,717.60	
	2013	21,201,000.00	76,323.00	
	2014	19,648,000.00	70,732.80	
	2015	17,284,700.00	62,224.90	

NON-RENEWABLE DIRECT ENERGY SOURCES	YEAR	COAL (GJ)	NATURAL GAS (GJ)	GRI
STEEL FACILITIES	2011	3,303,058.00	3,403,887.00	EN3
	2012	2,213,921.00	3,422,325.00	
	2013	2,993,739.00	3,401,405.00	
	2014	2,290,834.00	3,314,688.00	
	2015	2,454,380.00	3,407,085.00	
POWER PLANT	2011	34,112,750.00	17,169.00	
	2012	30,667,457.00	10,708.00	
	2013	30,915,214.00	7,599.00	
	2014	28,121,666.00	13,398.00	
	2015	25,033,111.00	21,628.00	
SHIPYARD AND AUXILIARY FACILITIES	2011	696,268.00	110,278.00	
	2012	631,904.00	110,560.00	
	2013	598,256.00	100,763.00	
	2014	604,964.00	103,784.00	
	2015	518,311.00	99,614.00	

OTHER NON-RENEWABLE GREENHOUSE GAS EMISSION SOURCES	YEAR	DIESEL FUEL (GJ)	GASOLINE (GJ)	AIR CONDITIONING GASES AND SOURCE GASES (KG)	GRI
ALL FACILITIES	2011	382,575.00	469	4,348.40	EN3
	2012	454,031.00	535	6,574.40	
	2013	427,368.00	463	28,558.00	
	2014	456,163.00	471	21,279.70	

PERCENTAGE AND TOTAL VOLUME OF WATER THAT IS RECYCLED AND REUSED	YEAR	RECYCLED AND REUSED (m³/YIL)	GRI
STEEL FACILITIES	2014	355,251,280.00	EN10
	2015	334,933,900.00	
AUXILIARY FACILITIES (OXYGEN FACILITIES)	2014	20,592,000.00	
	2015	20,160,000.00	

The values we entered in the resued water section are the water we describe as closed circuit (cleaned after usage and reused) in steel facilities and oxygen facilities

TOTAL WITHDRAWAL ACCORDING TO SOURCE	YEAR	WATER (SOURCE: SEA)	COOLING WATER	GRI
STEEL FACILITIES	2011	1,994,780.00	163,399,500.00	EN8
	2012	1,821,476.00	233,802,000.00	
	2013	1,692,197.00	220,625,000.00	
	2014	2,036,897.00	221,790,720.00	
	2015	2,182,217.00	157,922,000.00	
POWER PLANT	2011	363,945.00	188,862,424.00	
	2012	411,461.00	210,893,657.00	
	2013	586,288.00	222,110,730.40	
	2014	376,687.00	218,600,476.30	
	2015	422,047.00	227,323,699.00	
SHIPYARD AND AUXILIARY FACILITIES	2011	281,735.00	None	
	2012	215,727.00	None	
	2013	349,778.00	None	
	2014	399,187.00	None	
	2015	487,076.00	None	

Sea-borne water values are the water fed for reinforcing the evaporation losses occurring in closed-circuit water

TOTAL WASTE WATER DISCHARGE (m ³ /YIL)	YEAR	WASTE WATER DISCHARGE**	COOLING WATER DISCHARGE	GRI
STEEL FACILITIES	2011	191,625.00	163,399,500.00	EN22
	2012	191,625.00	233,802,000.00	
	2013	191,625.00	220,625,000.00	
	2014	191,625.00	221,790,720.00	
	2015	191,625.00	157,922,000.00	
POWER PLANT	2011	54,750.00	188,862,424.00	
	2012	54,750.00	210,893,657.00	
	2013	54,750.00	222,110,730.40	
	2014	54,750.00	218,600,476.30	
	2015	54,750.00	227,323,699.00	
SHIPYARD	2011	18,250.00	None	
	2012	18,250.00	None	
	2013	18,250.00	None	
	2014	18,250.00	None	
	2015	18,250.00	None	
AUXILIARY FACILITIES	2011	142,350.00	None	
	2012	142,350.00	None	
	2013	142,350.00	None	
	2014	142,350.00	None	
	2015	142,350.00	None	

** Waste Water is discharged into the sea from four different points via canal after physical treatment. Waste water discharge amount was calculated depending on capacities of package treatment facilities. As treatment number has not changed, the annual difference that occurred in our waste water amount is at an ignorable rate.

GREENHOUSE GAS EMISSIONS (T CO ₂)	YEAR	DIRECT CO ₂ EMISSIONS	INDIRECT CO ₂ EMISSIONS	GRI
STEEL FACILITIES	2011	822,105.00	1,028,851.00	EN15 - EN16
	2012	703,831.00	1,044,173.20	
	2013	790,831.00	1,110,650.90	
	2014	679,811.20	1,035,197.00	
	2015	679,811.20	1,035,197.00	
POWER PLANT	2011	3,395,524.00	0	
	2012	3,085,942.00	0	
	2013	3,162,852.00	0	
	2014	2,869,405.10	0	
SHIPYARD	2011	0	597	
	2012	0	978.6	
	2013	0	895.1	
	2014	0	769.2	
AUXILIARY FACILITIES	2011	121,053.00	88,859.00	
	2012	225,757.00	100,369.40	
	2013	223,611.00	100,401.40	
	2014	204,539.80	98,016.10	

Calculated in line with “Regulation on Follow-Up of Greenhouse Gas Emissions” of the Ministry of Environment and Urbanization, which was published in the Official Gazette dated 17 MAY 2014 and no. 29003, 2015 data and provisions of Communication on Monitoring and Reporting of Greenhouse Gas Emissions, which was published in the Official Gazette dated 22 July 2014 and no. 29068. Previous calculations were made in line with the provisions of Guidelines on Measurement of Greenhouse Gas Emissions and their Removal at Installment Level.

EMISSION SOURCES (2015)	GREENHOUSE GAS EMISSION AMOUNTS (Ton CO ₂) (2015)
İÇDAŞ DEĞİRMENCİK FACILITIES	2,299,624
İÇDAŞ BEKİRLİ FACILITIES	2,556,619

TOTAL WASTE ACCORDING TO TYPE AND DISPOSAL METHOD	ALL FACILITIES						
ACCORDING TO TYPE	UNIT	2011	2012	2013	2014	2015	GRI
Hazardous Wastes	Ton	11,509.60	5,466.40	32,320.50	54,302.00	47,689.84	EN23
Nonhazardous Wastes	Ton	1,065,700.10	697,160.90	717,719.30	734,418.20	604,841.18	EN23
Total Waste	Ton	1,077,209.70	702,627.20	750,039.80	788,720.20	652,531.01	EN23
ACCORDING TO DISPOSAL METHOD	UNIT	2011	2012	2013	2014	2015	GRI
Reuse	Ton	75,009.40	45,777.00	45,989.40	50,529.00	95,803.23	EN23
Recycling (Remaining Slag, Cüruf, Scale, Package Wastes)	Ton	731,411.80	467,460.50	413,904.60	460,531.00	359,843.38	EN23
Recycling (Flue Dust, Waste Oil, Ash End-of- Life Tire)	Ton	16,377.80	13,012.50	126,063.30	96,382.40	49,573.29	EN23
Landfill (Coal Ash and Slag, Domestic Wastes)	Ton	254,410.70	176,377.50	164,082.50	181,277.80	147,311.11	EN23
Total Waste Disposed	Ton	1,077,209.70	702,627.20	750,039.80	788,720.20	652,531.01	EN23
SHIP WASTES ACCEPTED TO THE FACILITY	UNIT	2011	2012	2013	2014	2015	GRI
Hazardous Waste (Bilge Water, sludge, Waste Oil)	m3/ year	449.2	522.6	201.5	348.9	490.71	EN23
Nonhazardous Waste (Domestic Solid and Liquid Wastes)	m3/ year	205	259.1	746.6	681.2	711.45	EN23



ATTACHMENTS

• PUBLICATIONS •

NAME OF PUBLICATION	PUBLICATION SCOPE	EDITOR	DATE
Carbon Management in Steel Sector	Carbon Summit	İÇDAŞ Environmental Management Unit	2-3 April 2015
İÇDAŞ Disaster and Emergency Communication System	Turkey Disaster Management Strategy Document Strategy Development Workshop	İÇDAŞ Lab. Health & Safety Unit	28 January 2015
Optimization of Chemical Consumption during Resin Regeneration in Condenser Water Purification Facility in Thermal Power Plant Rejenerasyonu Sırasında Kimyasal Tüketiminin Optimizasyonu	5th National Efficiency Congress	İÇDAŞ Lab. Health & Safety Unit	6-7 October 2015
Health Risks and Labout Safety Issues in Metal Recycling Sector	Workshop on Health and Safety Hazards in Metal Recyling Sector	İÇDAŞ Lab. Health & Safety Unit	23 December 2015
Importance of Communication in 100th Year of Çanakkale Battles and Disaster Communication	Çanakkale Onsekiz Mart University	İÇDAŞ Lab. Health & Safety Unit	17 April 2015

• AWARDS •

NAME OF AWARD	NAME OF THE COMPANY GIVING THE AWARD
Environmental	
The application entitled “İÇDAŞ Water Management System” which we lodged in water management category managed to attain the final.	Sustainability Academy
Social	
We joined “TİSK 2015 Corporate Social Responsibility Awards” with the project entitled “mini archeologists” and this project made it to the finals.	Turkish Confederation of Employer Associations (TİSK)

UN GLOBAL COMPACT PRINCIPLES

İÇDAŞ is a member of Global Compact. UN Global Compact is an innovative corporate responsibility approach that proposes universal principles to create a common development culture in the business world in constant competition. Being a party to the Global Compact whose vision is "Sustainable and inclusive global economy," is completely voluntary.

The companies being a party to the compact increase their economic benefits in the medium term and feels the prestige and honor of fulfilling their communal responsibilities in the most conscious and beneficial manner in the short term.

➤ HUMAN RIGHTS

Principle 1: Business world should support the declared principles of international human rights and respect the protection of these rights.

Principle 2: The business world should take all necessary measures not to be accomplices to human rights abuses.

➤ WORKING STANDARDS

Principle 3: Business world should support the freedom of association and collective bargaining of employees.

Principle 4: Business world should support the termination of forced labor.

Principle 5: Business world should support the termination of child labor.

Principle 6: Business world should support the termination of discrimination in employment and recruitment.

➤ ENVIRONMENT

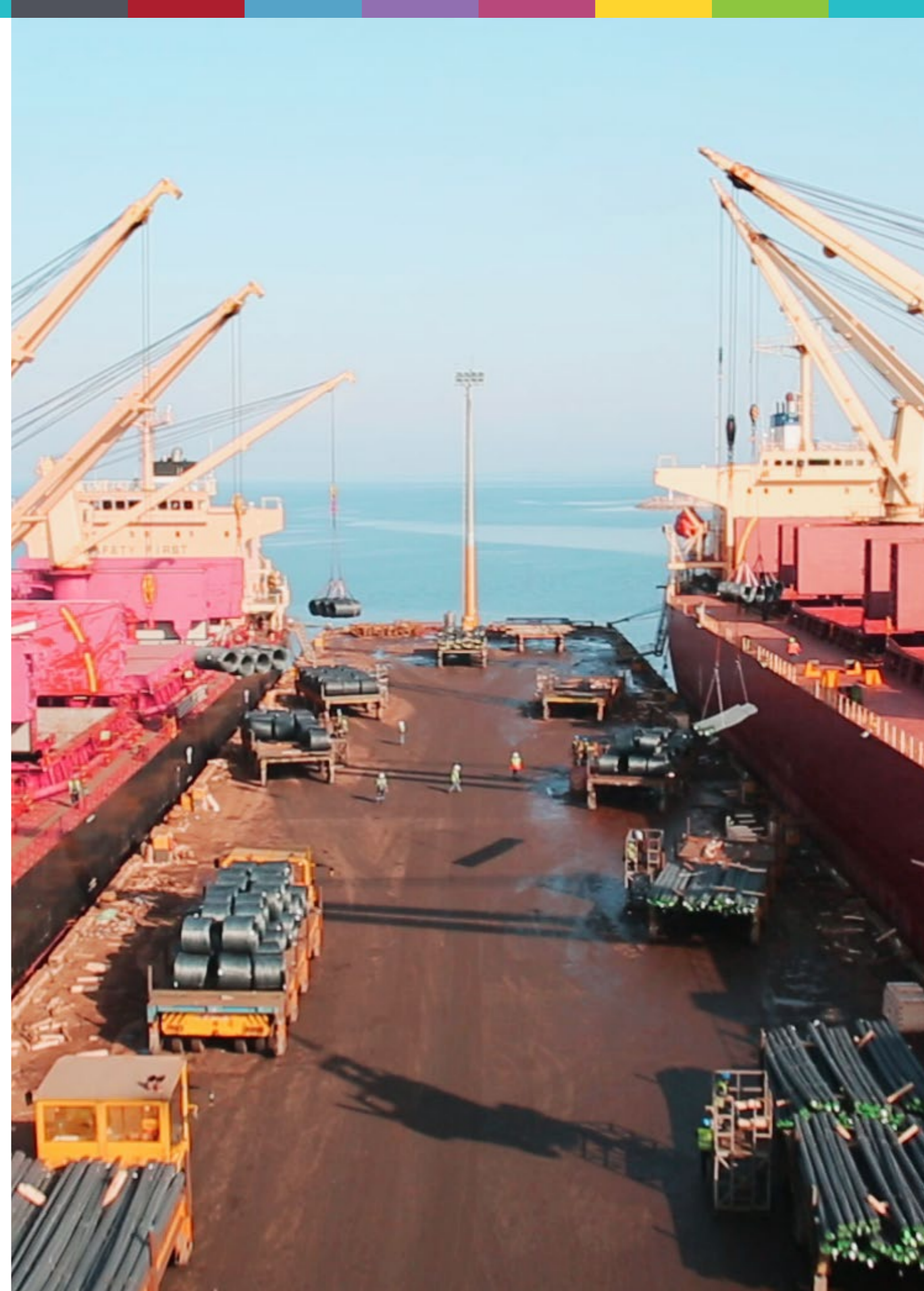
Principle 7: Business world should support the prudential approaches to environmental problems.

Principle 8: Business world should take more initiatives to encourage environmental responsibility.

Principle 9: Business world should encourage the development and diffusion of environmentally friendly technologies.

➤ ANTICORRUPTION

Principle 10: Business world should work against all forms of corruption, including extortion and bribery.



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