

# SUSTAINABILITY REPORT 2015

CORPORATE SOCIAL RESPONSIBILITY



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# 1. COMMITMENT

In 2015 Adasa has carried out projects according to the core business of the Company as a specialised engineering on water cycle and environment. In addition, the strategy of the Company remained focused on products developed by Adasa. This year the national contracts (Spain) registered a 51% of total and the rest corresponds to international activity.

In Spain we can highlight the renewals of maintenance contracts related to **water quality monitoring networks and weather radar networks**, promoted by the *River Basins of Duero and Ebro, ACUAES, AEMET, SMC, Generalitat Catalunya and Gobierno Vasco*.

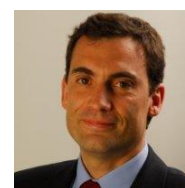
Adasa has carried out international projects in Australia (*Murrumbidgee Irrigation Ltd, Goulburn-Murray Rural Water Corporation*), Morocco (*Nord Est Electronique Sarl*), Romania (*Protecno Srl*) and Mexico (*Seneam*). In relation to multilateral projects, promoted by the World Bank among others institutions, in 2015 Adasa has been awarded with the supply of weather and hydrological stations systems, as part of the early warning system of São Tomé and Príncipe (Africa) and Moldova (Europe).

Related to research, development and innovation activities, Adasa ha finished the WWQM (Waste Water Quality Monitoring) project, after 2 years leading a consortium of 4 organisations; Gdańskiej Fundacji Wody, CFPPDA and Idneo. The project has focused on the promotion of the multiparameter product developed by Adasa (aquaTest-MO), as an efficient tool for wastewater quality monitoring.

Moreover, Adasa has developed *WEAM4i* (Water and Energy Advance Management for Irrigation), *demEAUmed* (Demonstrating integrated innovative technologies for an optimal and safe closed water cycle in Mediterranean tourist facilities) and *R3Water* (Demonstration of innovative solutions for Reuse of water, Recovery of valuable substances and Resource efficiency in urban wastewater treatment).

Day to day, **Adasa remains committed to the values of the UN Global Compact**, and making an strong effort to **create economic, environmental and social value in the short and medium term, and to contribute to the progress and society welfare**.

Regards,



Albert Molina  
General Manager

## 2. RESPONSIBLE MANAGEMENT

On the way to excellence, Adasa has implemented and certified an Integrated Management System - **Quality, Environment, Health&Safety** - based on international standards: ISO 9001:08, UNE166002:06, ISO 14001:04, EMAS and OHSAS 18001:07.



Adasa has been a signatory to the **United Nations Global Compact** since 2007. The UN Global Compact asks companies to embrace, support and enact, within their sphere of influence, a set of core values in the areas of human rights, labor standards, the environment and anti-corruption.

[www.unglobalcompact.org](http://www.unglobalcompact.org)



In 2015 European Commission awarded Adasa for more than 5 years of continuous EMAS registration (2006-2015). Adasa voluntarily joined *Eco-management and Audit Scheme* (CE1221/2009-EMAS) in 2006. After 9 years we still keep our **commitment to Performance, Credibility and Transparency in Environmental Management**.

*The environmental data contained in Sustainability Report are externally verified during the annual EMAS verification (audit).*



## 3. CSR POLICY

Adasa is an engineering specialised in sector-based solutions and technological solutions applied to water and the environment, and carries out its business in a changing and globalised environment where the excellence of its technology, services and management are an essential requisite for competitiveness, development and progress.

The knowledge and experience of Adasa allow us to provide solutions that fulfil the needs and expectations of our clients.

The General Management leads the organisation towards a model of EXCELLENCE, TOTAL QUALITY and Social Responsibility, based on the following strategic plans: process-based management, knowledge management, human capital and the organisation's capacity to innovate. Adasa is committed to:

### Team

- Creating and maintaining a climate that guarantees and promotes a favourable environment and organisation.
- Providing the resources and carrying out the appropriate actions for implementing a policy of ongoing training and development.
- Facilitating and managing:
  - Internal communications.
  - A positive work-life balance.
  - Fairness and justice in terms of remuneration for each person's contribution.
  - Equal opportunities.
  - The opportunity to participate in certain decisions making, taking into account the interests and concerns of the employees affected by changes.
- Improving and guaranteeing the safety of the working environment: appropriate environmental conditions and physical workspaces; appropriate, modern working equipment.

### Clients

- Establishing effective channels of communications that enhance the company to identify their needs and foresee their demands.
- Maintaining a spirit of ongoing improvement throughout the relationship, externalising the added value to the client and promoting research, development and innovation in the services provided.
- Guaranteeing an excellent service in terms of quality. Adasa has implemented a quality management system certified by the UNE standard: EN: ISO 9001:08 and UNE 166002:14.

## Society

- Maintaining a social communication channel, based on the principle of transparency, whilst promoting a cooperative relationship with the authorities and an open dialogue with the stakeholders, to whom this policy is directed. In fulfilling our commitment to these communication channels, we have set up the website: [www.adasistemas.com](http://www.adasistemas.com)
- Fostering training, research and informative actions to improve the health, safety and integration of our employees whilst promoting a system of ongoing improvement in our environmental management.

## Suppliers

- • Encouraging our suppliers to act in a socially responsible manner, establishing mutually beneficial, open, respectful and honest relationships.
- • Maintaining the appropriate data confidentiality and privacy by implementing quality, environmental and social criteria when evaluating suppliers.

## Environment

- Any project must be based on the principle of protecting and improving the environment and the prevention of pollution in order to promote the global objective of sustainable development. The improvement and protection strategies include actions to combat climate change.
- Adasa has implemented an environmental management system certified by the UNE: EN: ISO 14001:04 standard and the EMAS Regulation, which means that it has an active strategy of ongoing improvement for minimising its environmental impact and contributing to a sustainable environment by developing new environmental protection technologies.
- Every year, the organisation renews its commitment to transparency (EMAS) and publishes important environmental information in the Environmental Declaration. This presents the data on the consumption of resources, waste generation and the environmental impacts associated with its activities.

## Health&Safety

- Providing the resources necessary to guarantee the safety of our employees and effectively improve the working conditions of the different activities in the company.
- Adasa has implemented and certified a management system for the prevention of risks in the workplace, according to the OHSAS 18001:07 standard, which means that it has ongoing improvement processes for eliminating risks and minimising those that cannot be avoided to ensure optimal safety conditions in the workplace.

## 4. ACTIVITY

Adasa is a recognised **engineering company that provides technological solutions for the management of the integral water cycle and the environment**. Set up in 1988, it is currently a member of Comsa Corporación Group.

Adasa supports an integrated, multidisciplinary approach to water resources management and leads its activities to achieve the environment protection. Adasa pursues technological excellence to be the driving for assisting public and private organisations in the development of their activities, the improvement of their service efficiency, ensuring resources optimisation and reducing operational costs.

As experienced services integrators, Adasa covers a wide spectrum of related services, including consultancy, development, maintenance, and operations. Adasa joins water and environment expertise and highly specific technology capabilities, and understands the sector needs. It focus its complete portfolio on water resources management (water quality monitoring and hydrology), smart operation of water utilities and operators, and irrigation and rural water. Adasa also fosters environment monitoring solutions in meteorology and air quality.

In response to the constant demand for new technologies and products, Adasa promotes research, development and innovation in order to guarantee the future wellbeing of society, conserve the environment and ensure sustainable development.

**More than 25 years of R+D and innovation have lead Adasa to develop 50 worldwide projects and 12 patents, highlighting innovative products** for real time water quality monitoring, as well as advanced ICT solutions for water sector, matching R+D and innovation activities with water needs.

Adasa has been recognised for its continuous cooperation with universities, technologic organisations, scientific institutions and research centers, with the aim of promoting scientific culture and spreading technological knowledge. Adasa pursues to achieve the balance of scientific know-how, its conversion in goods and services and its market introduction.

Many projects receive the support of international organisations, such as CDTI (Centre for Industrial Technological Development), the international programmes EUREKA, IBEROEKA, LIFE or the Framework Programmes of the European Union, accrediting the importance of fostering research, development and innovation strategies as the fundamental elements of a competitive society.

**Worldwide successful experiences place Adasa at the forefront of the sector, providing an intense technical specialisation and a strong water & environment expertise.**

We can highlight the following research centres, technological institutions and universities as some of the key organisms that Adasa work with:

**Research centres, technological institutions and other entities:**

- Catalan Institute for Water Research (ICRA)
- Technological Centre of Catalonia (EURECAT)
- LETIAT Technological Centre

- Institute for Research and Technology (IRTA)
- SEMIDE-EMWIS Euro-Mediterranean Information System
- Office International de l'Eau (OIEAU)
- Technical Research Centre of Finland (VTT)
- Swedish Environmental Research Institute (IVL)
- Institute for Water Education (UNESCO-IHE)
- Stichting Deltares
- Gdansk Water Foundation
- Scientific Research Centre
- National Research Centre - Institute of Environmental Diagnosis and Water Research (CSIC-IDAEA)
- Center for Soil Science and Biology of Segura (CEBAS-CSIC)
- National Microelectronics Centre (CNM)

#### Universities

- University of Barcelona – QÜESTRAM Group
- Technical University of Catalonia - Advanced Control Systems (SAC)
- University of Girona - Laboratory of Chemical and Environmental Engineering (LEQUIA)
- University of Western Australia (UWA, Perth)
- University of Extremadura - Industrial Applications of Artificial Intelligence Group (AIIA) and Research Sensor Systems Group (GISS)
- University of Barcelona – Autònoma (UAB)
- University of Zaragoza - Photonic Technologies Group (GTF)
- Technical University of Valencia (UPV). Interuniversity Research Institute for Molecular Recognition and Technological Development (IDM)
- Technical University of Madrid
- Complutense University of Madrid
- Swiss Center for Electronics and Micro technology
- Imperial College of Science, Technology and Medicine, London
- Federal Technical School of Lausanne
- French Research Institute for Exploitation of the Sea
- University of Geneva
- Institute Telecom Paris

#### PARTNERS

Adasa receives the cooperation and support of renowned organisations worldwide through which strategic alliances are set up in order to ensure the implementation of the best solutions and the integration of technological tools with high added value.

These collaborative networks drive the development of new products and solutions, and the exchange of experiences, knowledge and innovation to ensure the achievement of successful projects.

Listed below are some of the main partners with whom Adasa has established strategic partnerships.

- Aquatic Informatics – Hydrological software
- Deltares – Flood Forecasting System (Delft-FEWS)
- Danish Hydraulic Institut – Hydrological & Hydraulic Modeling
- Derceto – Energy efficiency
- ESRI – Geographic Information System
- Schneider – Software Solutions
- Eplan - Electrical Design Software
- Microsoft – Software Development Tools

- Oracle – BI, database
- Rockwell Automation - PLC
- Sofrel – PLC
- Motorola – PLC
- Siemens – PLC + SCADA
- AspenTech - SCADA
- Logitek Wonderware - SCADA
- Areal - SCADA
- Inductive Automation – SCADA (Ignition)
- Reliance – SCADA
- OTT - Instrumentation
- Campbell – Instrumentation
- Vaisala – Weather radar
- Selex - Gematronik – Weather radar

## ASSOCIATIONS

Adasa is part of the following professional associations, whit the main goals of encouraging and boosting a sustainable water use and an environmental commitment. The collaboration in these groups fosters the exchange of knowledge between the members, creating a nexus and a common forum among different professionals.

- International Water Association (IWA) – Worldwide
- European Technological Water Platform (WssTP) – Europe
- Spanish Technological Water Platform (PTEA) - Spain
- Environmental Information Network of Andalusia (REDIAM) – Spain
- Catalan Water Partnership (CWP) – Spain
- Romanian Water Association (ARA) – Romania
- International Association for Hydro-Environment Engineering – Worldwide
- International Association of Hydrogeologists – Worldwide
- International Association of Hydrological Sciences – Worldwide
- Iberical Limnologic Association - Spain

Furthermore, Adasa is actively involved in the following worldwide associations:

- EWP European Water Partnership – Europe
- European Committee for Standardisation (CEN) – Europe
- Association for Research and Industrial Cooperation of Andalusia (AICIA) - Spain

## 5. PROJECTS

Adasa contributes to the protection of the environment and helps to ensure environmental sustainability.

In 2015 Adasa finished the project WWQM (Wastewater Quality Monitoring) after two years leading an international consortium formed by the following organisations: *Gdańskiej Fundacji Wody*, *DOT-EKO*, *CFPPDA* and *Idneo*.

The main objective of WWQM was to promote and facilitate the market introduction of the aquaTest-MO product.

aquaTest-MO is a new wastewater quality monitoring equipment for wastewater treatment plants (WWTP), based on an eco-innovative monitoring system. aquaTest-MO allows WWTPs to carry out a low cost monitoring line processes and ensure high levels of quality of treated water. In addition, aquaTest-MO increases the productivity of the operation process due to low detection time of potential incidents and, as a result, enables a quick and efficient response.

For more information, please, visit <http://www.wwqm.eu>



*aquaTest-MO, real time monitoring of physical-chemical and organic matter parameters*



*Wastewater Quality Station – EACAR Ilawa (Poland).*

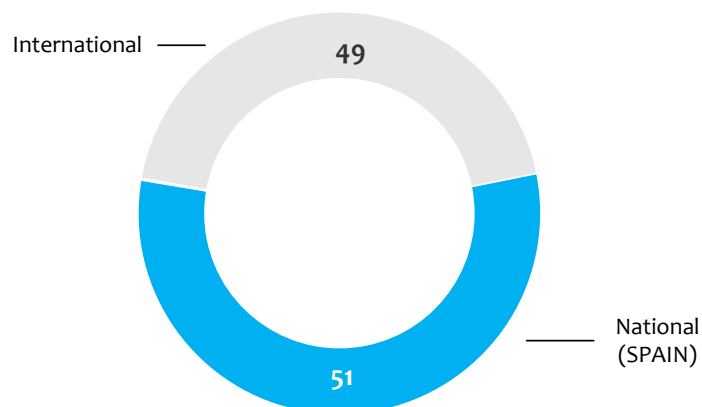
## 6. INDICATORS

### FINANCIAL

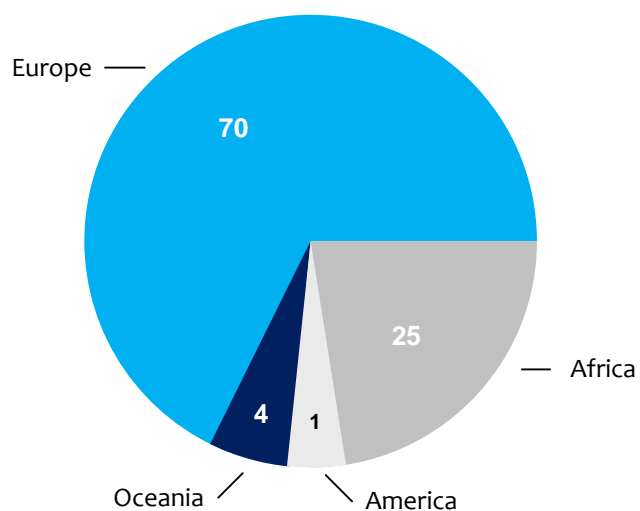
#### F1 ANNUAL TURNOVER



#### F2 CONTRACTED PROJECTS BY LOCATION (%)

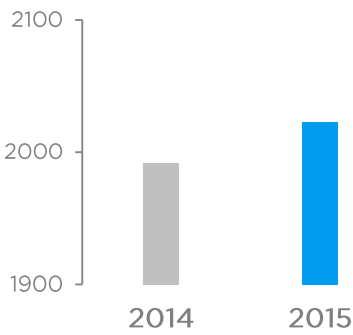


#### F3 CONTRACTED PROJECTS BY CONTINENT (%)

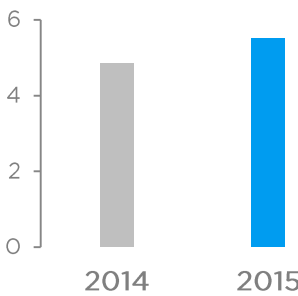


ENVIRONMENT

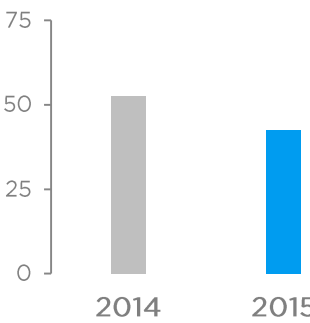
E1 ELECTRICITY CONSUMPTION  
(kWh/employee)



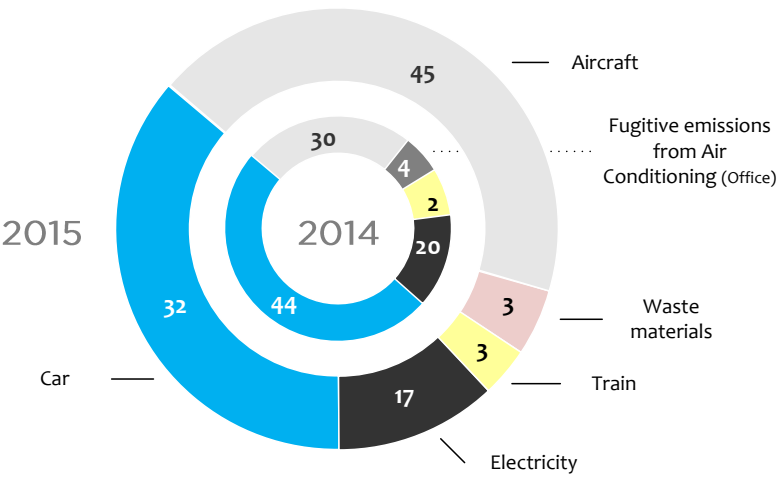
E2 PAPER CONSUMPTION  
(kg/employee)



E3 TOTAL WASTE  
(kg/employee)

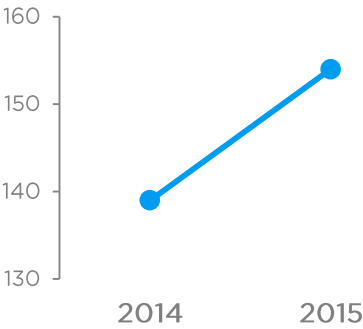


E4 EMISSIONS - CO<sub>2</sub>  
(%)



SOCIAL

**S1** STAFF  
(Number of employees)



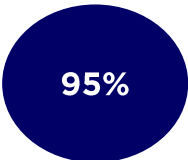
**S2** AVERAGE EMPLOYEE AGE



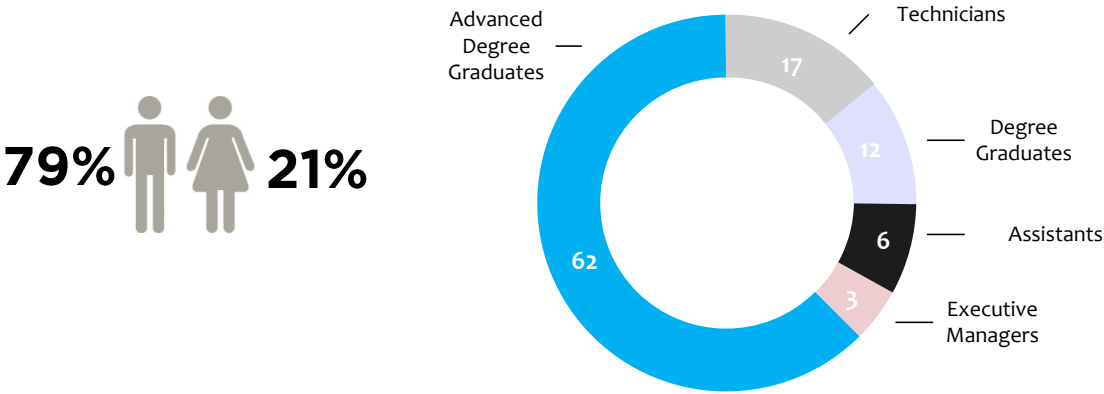
**S3** AVERAGE EMPLOYEE PERMANENCY



**S4** PERMANENT EMPLOYMENT



**S5** DISTRIBUTION BY PROFESSIONAL GROUP  
(%)



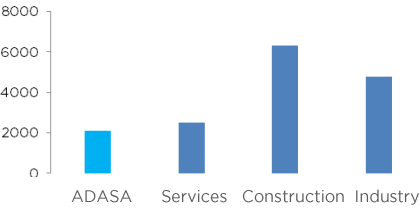
# HEALTH & SAFETY

## WORK INJURIES

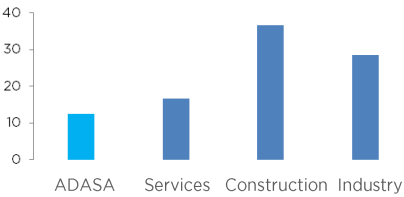
**HS1** **LTIIR = 2121,39**  
*Lost Time Injuries Incidence Rate*  
(Nr LTI\* 10<sup>5</sup>/Number of employees)

LTI= Lost Time Injury  
Number of employees = 154 employees

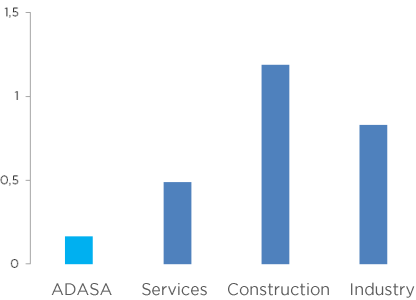
Comparative by Activity Sector



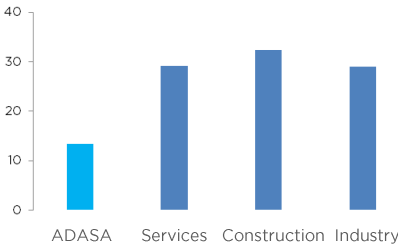
**HS2** **LTIFR = 12,53**  
*Lost Time Injuries Frequency Rate*  
(Nr LTI\*10<sup>6</sup>/Hours worked)



**HS3** **SEVERITY RATE = 0,17**  
(Nr Lost Workdays LTI \*10<sup>3</sup>/ Hours worked)



**HS4** **DURATION RATE = 13,33**  
(Nr Lost Workdays / Nr LTI )



All accidents have been classified as MINOR injuries.

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