



**arab  
printing  
press s.a.l**  
المطبعة العربية ش.م.ل

**BRINGING ink TO LIFE**  
since 1968



The mark of  
responsible forestry



SAI GLOBAL



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## Communication on Progress – COP Arab Printing Press S.A.L. (APP)



Sid Al-Baouchrieh - Industrial City  
Jdeidet El-Metn, Lebanon

Beirut, 01/04/2017

H.E. Ban Ki Moon  
Secretary General  
United Nations  
New York, NY 10017  
USA

To whom it may concern,

We are pleased to confirm that APP (Arab printing Press s.a.l.) - reaffirms the support from the United Nations Global Affairs and its Ten Principles, in particular our commitment to the principles related to the preservation and conservation of the environment.

At APP, we make sure to keep principles of environmental sustainability and conservation at the core of our corporate social responsibility strategies.

Sincerely,

Elie Raphaël  
Chairman & CEO  
**Arab Printing Press s.a.l. (APP)**

# Key Information



Established in **1968**, **Arab Printing Press (APP)** s.a.l. has 49 years of experience & knowledge in **offset printing industry**



Our **product range**:

- ✓ **Book printing**: by producing books, text-books, art books ...
- ✓ **Commercial printing**: magazines, catalogs, brochures, corporate identities, annual reports, stationeries ...
- **Digital printing**
- **3D printing**
- **Packaging**
- **Printing of self Adhesive and BOPP labels**



Area of the factory **5.500 sqm2 / 120 employees**



Markets: **Local & International**



## SUBSIDIARIES



**UNITED  
KINGDOM**  
Sales Office



**IVORY COAST,  
ABIDJAN**



Imprisud - Printing Firm



**IRAQ,  
BAGHDAD**



Al Khayal - Printing Press



## MISSION

To provide clients with the highest quality printing coupled with exceptional services and solutions that exceed client requirements



## VISION

To continue the growth and success of the last half century while staying at the forefront of innovation, and the continued development of an environmental and socially responsible culture that encourages both employee and customer loyalty



## VALUES

We care about the environment and our people:

- **Adhere to ethical and environmental practices;** fully complies with laws, regulations and other requirements; and strives to be leader in reducing negative environmental impact
- **Consider environmental factors and the well-being of the community** when making all commercial decisions
- **Motivate employees through inclusion, development and training**



In **2015**, **APP** adhered to **UNGC** initiative and has been implementing the **10 principles** in a more efficient way





**APP** is very committed to the following **SDGs**





**APP** will be presenting in its COP report the following SDGs



# APP's Environmental Principles

**Complying** fully with **environmental laws and regulations** and other requirements

Considering environmental factors when making planning, purchasing and operating decisions



Seeking to **prevent pollution** before it is produced, **reducing** the amount of **waste** at our facilities, and supporting pollution prevention measures by our customers and suppliers



**Using energy efficiently** throughout our operations, **re-using and recycling** whenever possible, and **using environmentally friendly materials**



**Working cooperatively** with others to achieve optimum environmental objectives





# APP's Environmental Objectives

- **Improve employee awareness** of environmental issues
- **Waste Reduction**
- Ensure **proper disposal** of **generated waste**:
  - Segregation
  - Recycling
  - Proper treatment
- Ensure **safe use** of **solvents**
- **Reduce excess solvent use**
- Ensure **proper maintenance** for **all equipment**
- **Preserve natural resources** by reducing consumption of nonrenewable natural resources: electricity, water
- Ensure **readiness** in case of **emergency situation**

# APP's Environmental Initiatives

- **Energy Audit** in **2013**
- **Led Lighting** implemented in **2014**
- Installation in **2014** of a new machine **KBA 106**, being a **Green**
- **Machine** due to its:
  - Low impact on the environment
  - Low noise
  - Less powder and alcohol consumption
- Installation in **April 2015** of a **Photovoltaic Station**:  
[http://www.youtube.com/channel/UCo5zSp1HUJma-TUOUfmP6\\_w](http://www.youtube.com/channel/UCo5zSp1HUJma-TUOUfmP6_w)
- **Green Diesel** usage
- **Permanent stock** of **FSC® paper**
- In **2016** APP joined the **Lebanese Climate Act**
- In **2016** APP signed the **Green Pledge**, a project under taken by Lebanon Opportunities & Infopro

## Our Environmental Management Approach

It is our policy to protect and preserve the environment, in fulfilling this responsibility; we adhere to some fundamental principles and we took many environmental initiatives:

### 2011

APP achieved **FSC® Certification** (*Forest Stewardship Council*) Chain of Custody status

What is **FSC®**?

- *FSC® is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide*
- *They enable businesses and consumers to make informed choices about the forest products they buy, and create positive change by engaging the power of market dynamics*



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FSC™ available on request



### 2013

APP participated in the project of the Ministry of Environment “**Development of Environmental Audits and Compliance Action Plans (EA/ CAP)**”

## September 2014

As part of an ongoing Corporate Environmental Program, **APP Environmental Management System** has been certified to **ISO 14001:2004**, which makes us the First Printing Press in the Middle East to achieve the ISO 14001 Certification



ISO sets out the criteria for an environmental management system and can be certified to. It maps out a framework that a company or organization can follow to set up an effective environmental management system. It can be used by any organization regardless of its activity or sector



Environment  
ISO 14001



## 2013 → 2014 → 2015

The **Ministry of Environment** awarded **APP** a reporting **certificate** as an acknowledgment for reporting our **Greenhouse Gas Emissions** for the past three (3) years

## February 2017



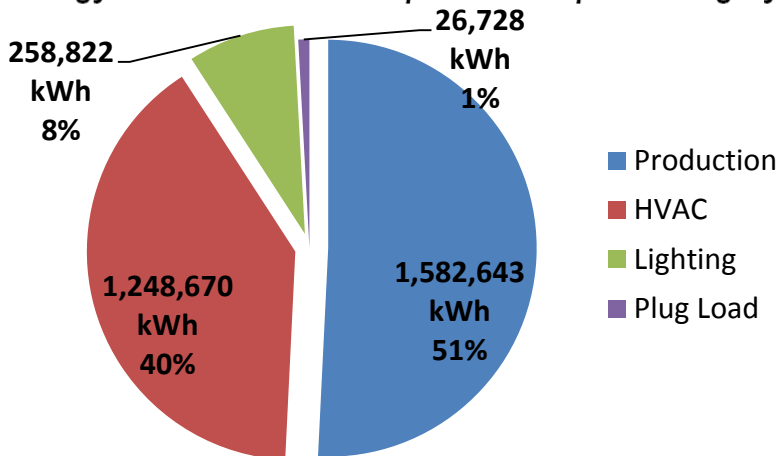
غرفة التجارة والصناعة والزراعة  
Chamber of Commerce Industry  
and Agriculture  
of Beirut and Mount-Lebanon لبنان بيروت وجبل لبنان

The **Institute for Finance and Governance (IFG)**, aiming to encourage the **development of good governance practices in Lebanon**, has mandated to develop a **Survey** whose objective is to collect information on corporate governance practices of Lebanese private sector firms of variable size and operating in a range of sectors. **APP has participated** in the survey which will be used to analyze the evolution of corporate governance practices in Lebanon with a view to highlight good practices and opportunities for improvement

# Facility situation 2013

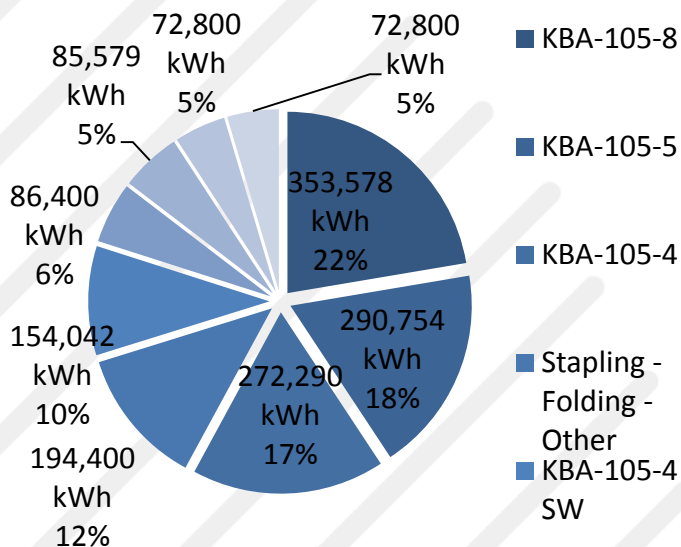
**APP spends 520 kUSD per year in energy for its operations**

*Energy end-use breakdown per consumption category*



**Total Consumption: 3,116,863 kWh**

**Production energy consumption distribution**



**Total Consumption: 1,582,643 kWh**



Energy performance of the offset printing machines was far from ideal

Our Key Energy Performance Indicator was defined as the kWh per 1000 sheet

Production lines, space cooling and lighting are the main consumers in the printing press

# What was achieved so far...

## PROCESS RELATED MEASURES

### New Offset Printing Machines



The **KBA-8** printing machine was replaced by new 8 Colors printing press:

- The KEPI was an essential parameter during our selection process
- The KEPI was reduced from 10.95 kWh per 1000 sheets to 5.95 kWh per 1000 sheet (**Measured and Verified**) This is approximately 45 % reduction for the same amount of printed sheets
- As an example: for 2013 production, should the new machine be installed

Minimum Yearly Energy savings	Yearly cost savings	Yearly GHG Emissions savings
158,000 kWh	\$ 28,000	118 ton_CO2

# What was achieved so far...

## VENTILATION AND AIR CONDITIONING

APP team was able to reduce the cooling load in the facility by taking a few simple actions



- Moving all heat-emitting auxiliaries to non-cooled / non-treated areas
- Estimated Savings:

Yearly Energy savings	Yearly cost savings	Yearly GHG Emissions savings
171,700 kWh	\$ 30,500	130 ton_CO2

- Applying high reflective paint to new building metallic roof
- Estimated Savings, in addition to direct impact on Indoor Environmental Quality (IEQ)



Yearly Energy savings	Yearly cost savings	Yearly GHG Emissions savings
69,200 kWh	\$ 12,300	52 ton_CO2





# What was achieved so far...

## RENEWABLE ENERGY & LIGHTING RETROFIT

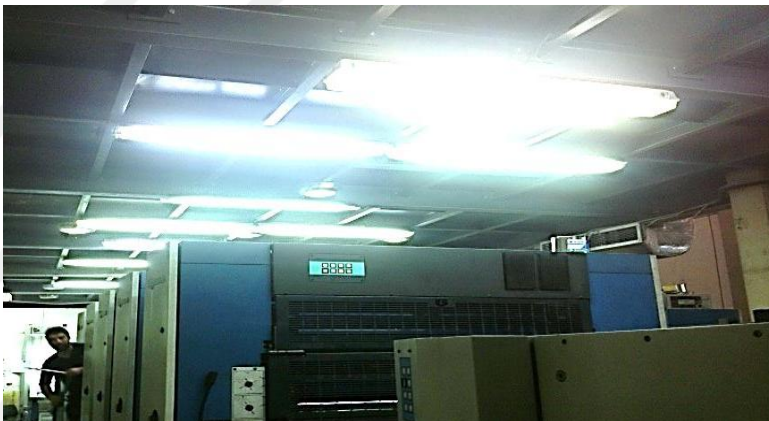
- Installing 140 kWc Solar PV system



### Projected Savings

Yearly Energy production	Yearly cost savings	Yearly GHG Emissions savings
208,000 kWh	\$ 36,800	118 ton_CO2

- Retrofitting all the facility lighting to LED



### Projected Savings

Yearly Energy savings	Yearly cost savings	Yearly GHG Emissions savings
129,200 kWh	\$ 22,900	97 ton_CO2

→ **Estimated Investment** of these two (2) projects around **US\$ 300,000**

→ Subsidized **green loan** obtained from **Banque Du Liban (BDL)**

# What was achieved so far...

## CORPORATE SOCIAL RESPONSIBILITY OUTCOMES

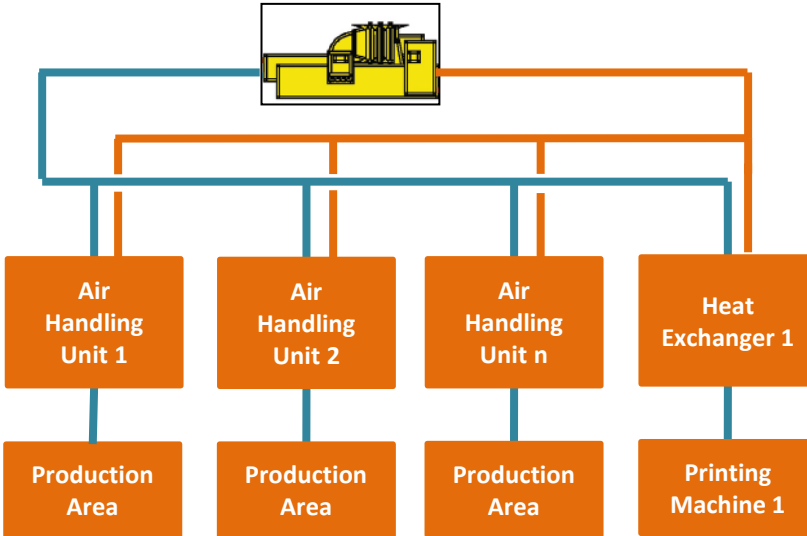
- I. Preservation of natural resources by reducing consumption of non-renewable natural resources: Electricity
- II. Minimization of pollution

Project	Execution Date	Yearly Energy Savings/KWh	Yearly GHG Emissions Savings/Ton_Co2
Reducing the cooling load, Moving all heat-emitting auxiliaries to non-cooled / non-treated areas	2013	171 700	130
Reducing the cooling load Applying high reflective paint to new building metallic roof	2013	69 200	52
Installing a new KBA 106	2014	158 000	118
Installation of Led Lighting	2015	129 200	97
Installing a 136.5 KW Solar Photovoltaic Station	2015	208 000*	118
<b>TOTAL</b>		<b>736.100</b>	<b>515</b>

\* Production of 208 000 KWh per year

# On going & future projects

## CENTRALIZING OUR UTILITY SYSTEMS ( SPACE AND PROCESS COOLING) CORPORATE SOCIAL RESPONSIBILITY OUTCOMES

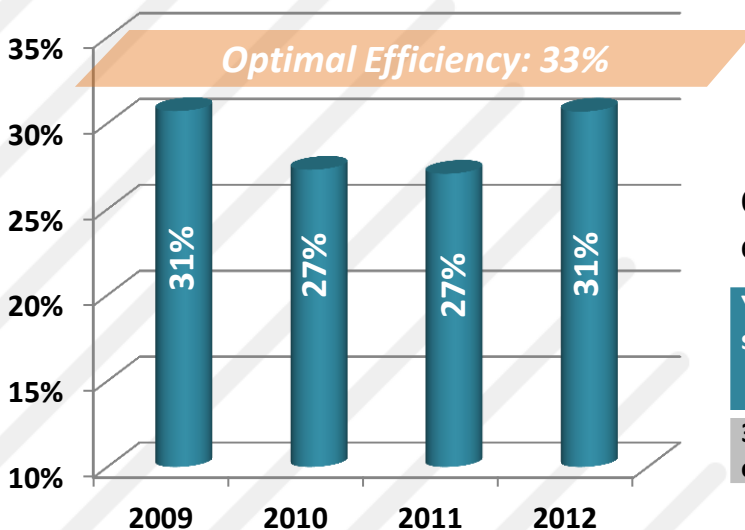


We are exploring the Installation of a central chiller solution for space cooling and process cooling

To replace the existing DX units and printing machines water coolers

Projected Savings ▼

Yearly Energy savings	Yearly cost savings	Yearly GHG Emissions savings
398,000 kWh	\$ 70,731 (13.5%)	300 ton_CO2



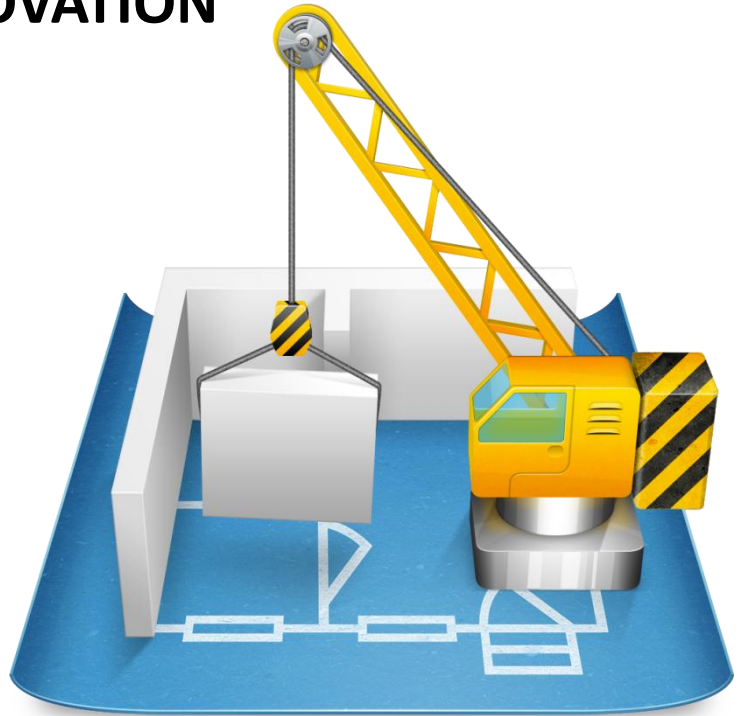
Optimizing Diesel Genset efficiency ▼

Yearly Energy savings	Yearly cost savings	Yearly GHG Emissions savings
37,000 liters of diesel	\$ 36,300	109 ton_CO2



# On going & future projects

## APP BUILDING RENOVATION

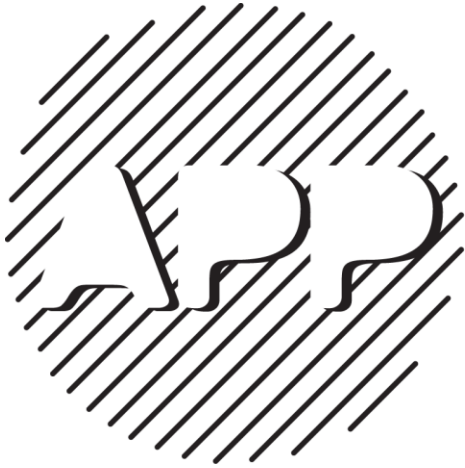


**Renovation** of our **building**, by implementing on its façade an **echo friendly material** allowing by that to **minimize heat transfer**

**“The environment is where we all meet; where all have a mutual interest; it is the one thing all of us share.”**

**Lady Bird Johnson**





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Quality  
ISO 9001

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Environment  
ISO 14001

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