

## RECP Experiences at Atlantic bb

The efficient and environmentally sound use of materials, energy and water - coupled with the minimization of waste and emissions - makes good business sense. Using Resource Efficient and Cleaner Production (RECP) this can be achieved in a holistic and systematic manner. RECP applies preventive management strategies to improve natural resources productivity, minimize generation of waste and emissions, and foster safe and responsible production. As experiences of Atlantic bb Bosnia and Herzegovina show, benefits are obvious in many enterprises, regardless of their line of business, location or size.

### Achievements at a Glance

The Resource Efficient and Cleaner Production (RECP) project in Atlantic bb printing industry, will achieve annual savings of EUR 8,500 with investment of EUR 12,946 and payback time of 1,5 year. The company selected 2 RECP measures to reduce energy consumption by 11%.



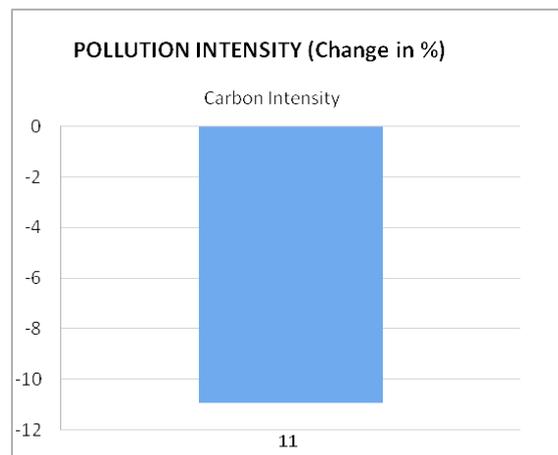
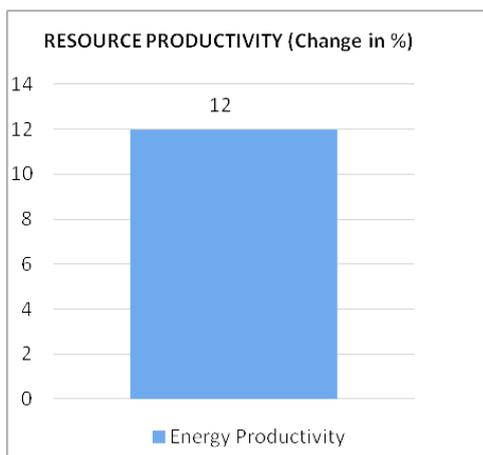
### Overview

Atlantic was founded in 1988. The principal activities of the company include production and printing of all kinds of paper products and cardboard, light packaging, various types of forms, books and notebooks, posters, labels, brochures and catalogues. In addition to manufacturing, the Atlantic is engaged in trade of various types of stationary and office supplies. Atlantic employs 104 workers and hires seasonal workers as necessary.

## Benefits

Absolute Indicator	Change (%)	Relative Indicator	Change (%)
Resource Use		Resource Productivity	
Energy Use	-11	Energy Productivity	14
Pollution Generated		Pollution Intensity	
Air Emissions (global warming, CO2 eq.)	-11	Carbon Intensity	-11

## RECP profile



## Resource Efficient and Cleaner Production (RECP)

**Resource Efficient and Cleaner Production (RECP)** entails the continuous application of preventive environmental strategies to processes, products and services to increase efficiency and reduce risks to humans and the environment.

RECP addresses three sustainability dimensions individually and synergistically:

- *Production efficiency*

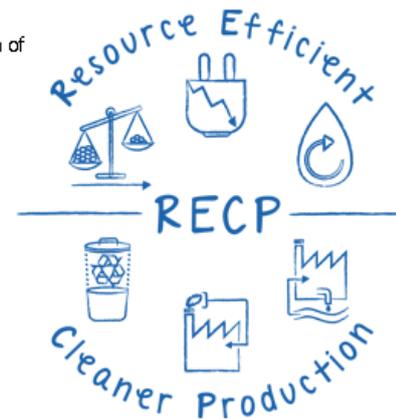
> Through improved productive use of natural resources by enterprises

- *Environmental management*

> Through minimization of the impact on nature by enterprises

- *Human development*

> Through reduction of risks to people and communities from enterprises and supporting their development



## Success Areas

RECP measures	Benefits					
	Economic			Resources		Waste flow
	Investment EURO	Savings (EURO/year)	Pay back period	Reductions in energy, water and/or materials use (per annum)	Reductions in waste, water, air emissions and/or waste generation (per annum)	
Replacement of 25 metal halide bulbs of 400 watts, with LED bulbs 120W	4,316	2,805	1,5 y	Electric energy 33,945 kWh	Reduction of waste bulb for 2,5 times, 1 kg CO <sub>2</sub> =514,7 t	
Replacement of 78 bulbs with LED bulbs 250 W	8,629	5,695	1,5y	Electric energy 10,386 kWh	Reduction of waste bulb for 2,5 times, 1 kg CO <sub>2</sub> = 157,5 t	



# RECP Experiences



## Approach taken

The Company participated in the National Cleaner Production Program in Bosnia and Herzegovina as one of the ten selected companies. The RECP assessment was performed by the company team and national experts trained in RECP methodology. The RECP assessment was supervised by international experts. The purpose of assessments made at the beginning of the project was to prepare a material balance, an energy balance and balances of water consumption and wastewater. The company management decided to focus on lighting system and to improve its energy efficiency.

### Testimony Box

#### National Cleaner Production Program in Bosnia and Herzegovina

The program is designed to foster expertise, service delivery capacity and implementation of RECP practices and policies in the country, building on UNIDO's experience in supporting National Cleaner Production Programmes (NCPPs) and Centres (NCPCs), in collaboration with UNEP, under the global joint RECP Programme. The program that was officially launched in 2015, contributes to improve the resource efficiency and environmental performances of businesses and other organizations in Bosnia and Herzegovina. With the application of a systematic RECP approach, the project aims at providing:

- Training to national experts on UNIDO's RECP methodology
- Assessment services to companies
- Information dissemination and awareness raising

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