

## RECP Experiences at Srebreničanka.

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 “Srebreničanka” d.o.o. 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 Srebreničanka potatoes processing industry will achieve annual savings of 865.000 EUR with investment of EUR 179,000.00 and payback time of 4 months. By application of the RECP measures, a total energy consumption will be reduced by 62 % and the carbon dioxide emissions by 62%.



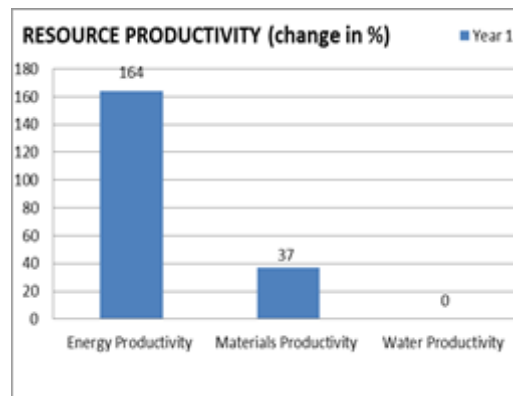
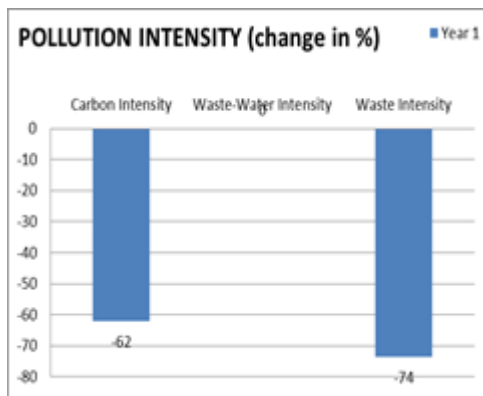
### Overview

Srebreničanka processes potatoes in to different form of sliced potatoes, which is then frozen packed and distributed to commercial centres. The company is established in 2015. Factory for French fries production from Srebrenica was launched as a strong need to carry out a substitution of imports significant quantities of French fries and other potato products quality domestic product.

## Benefits

Absolute Indicator	Change (%)	Relative Indicator	Change (%)
Resource Use		Resource Productivity	
Energy Use	-62	Energy Productivity	164
Materials Use	-27	Materials Productivity	37
Water Use		Water Productivity	0
Pollution generated	0	Pollution Intensity	0
Air Emissions (global warming, CO2 eq.)	-62	Carbon Intensity	-62
Waste-Water	0	Waste-Water Intensity	0
Waste	-74	Waste Intensity	-74

## 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 use, water use and/or materials use (per annum)	Reductions in waste water, air emissions and/or waste generation (per annum)
Peeling potatoes with steam	n.d.	n.d.	n.d.	n.d.	Waste 3,356 t
Production of biogas	10,225.84	65,007.20	2 months	Electric energy 1,935 .337 kWh	
Production of biodiesel	48,572.74	360,767.65	2 months	-	-
Installation of biomass boiler	120,000.00	440,000.00	4 months	5800 MWh	CO <sub>2</sub> 3,042.35 t

n.d. – not defined



# 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. After consultation with expert teams the company management selected the RECP measures to be implemented. The selected RECP options will be implemented in following period (management of company did not specify timeline).

### 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 in terms of sensible use and management of natural resources in businesses and other organizations in Bosnia and Herzegovina. Applying 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

### Contact Details

National Cleaner Production Program  
Podgaj 14, 71000 Sarajevo  
Bosnia and Herzegovina  
[www.ncpp.ba](http://www.ncpp.ba)  
Phone: +387 33 279 100  
fax: +387 33 279 108