

Resource Efficiency in Agri-food Production and Processing (REAP)



Produce More with Less Resources

Inviting Agri and Food Processing SMEs (Small and Medium Enterprises) to join the REAP project

No joining fee!

Join for full benefits

Do You Wish to...



Improve your processes towards international standards & markets?



Improve productivity?



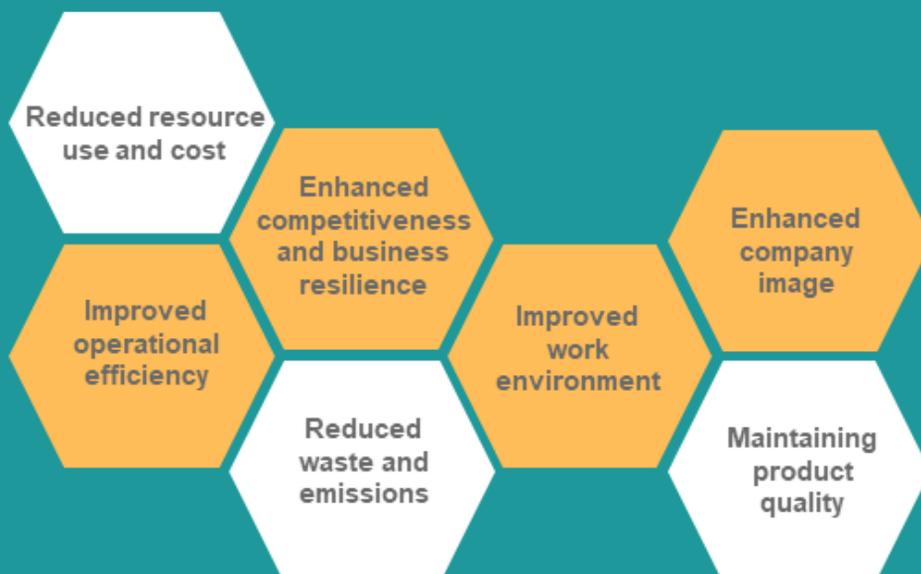
Reduce costs?



Get support to access to finance for clean technologies?

then sign up for the REAP Project

Benefits of adopting Sustainable Consumption and Production (SCP) practices



Examples of SCP actions implemented earlier



Electric heat pump

Industry: Dairy

Action: Installed electric heat pump to preheat boiler feed water to 80 °C and cool the return water to 4 °C.

A heat pump is an efficient device as it can utilise the heat rejected in the cooling process (for pre-heating water, as in this case) rather than losing that heat to the surrounding air.



Energy savings
206,000 kWh / year



Monetary saving
€ 21,000 / year



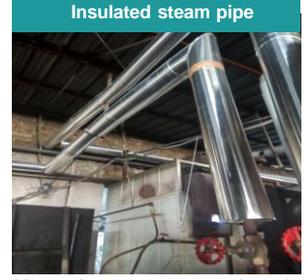
Payback
9 months



Steam pipe without insulation

Industry: Food processing

Action: Insulation of steam pipeline



Insulated steam pipe

Heat losses are reduced. Additional benefit is that uniform process temperature could always be maintained resulting in consistent product quality



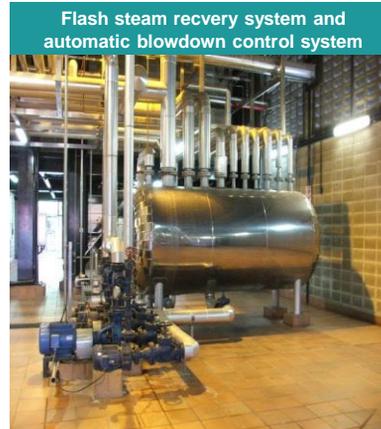
Energy savings
26,637 standard cubic meter of natural gas / year



Monetary savings
€ 11,590



Payback period
1.3 months



Flash steam recovery system and automatic blowdown control system

Industry: Food manufacturing

Action: Automatic blow down control and flash steam recovery system installed

Flash steam recovery system injected flash steam directly into feed water tank to increase its temperature.

This TDS based automatic blow down maximizes boiler performance and minimizes cleaning and repair requirements thus allowing uninterrupted production.



Energy savings
62,520 kg of biomass based briquette / year



Monetary savings
€ 3,800 / year



Payback period
13 months



Variable Frequency Drive

Industry: Beverage production

Action: Variable Frequency Drive (VFD) installed

The chiller at the plant was not loaded fully at all times of operation. The installed variable frequency drive (VFD) control the speed of motors in the chiller as per the load requirement, thereby saving energy.

A motor operating at 1/2 speed consumes 1/8 the energy!



Energy savings
35,100 kWh

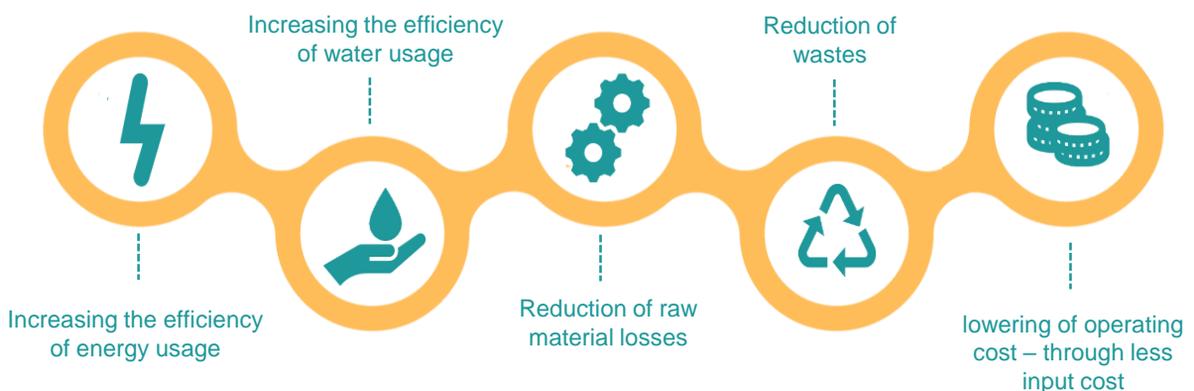


Monetary savings
€ 3,349



Payback period
8.5 months

Why join the REAP project?



What We Do?

The project will be implemented along two dimensions

Support for participating SMEs

Capacity building

Direct on-site consultation

Guidance to implement resource efficiency measures



Activities for relevant stakeholders

Stakeholder roundtables

Policy roundtables

Financial sector engagement to create support framework for SCP

Our Contribution to SDGs



Project Partners



www.carececo.org

CAREC is a renowned think tank in Central Asia, experienced in internationally funded projects, and routinely engaging with high-level policy makers in the environmental sphere.



Kazakhstan



www.chamber.uz

Chamber of Commerce and Industry of Uzbekistan is the largest business support organization in the country that creates favorable conditions for doing business in Uzbekistan.



Uzbekistan



www.namsb.tj/en

NASMB as the largest business association of Tajikistan empowers and develops its members and entrepreneurs to achieve economic prosperity, protection of business interests and social responsibility.



Tajikistan



www.adelphi.de/en/

adelphi is a leading independent think tank on climate, environment and development. adelphi possess extensive experience in working with financial, policy and other stakeholders for SMEs.



Germany



www.austriarecycling.at/en/

Austria Recycling has a long-standing track record on the implementation of RECP (resource efficient cleaner production) and SCP solutions within MSMEs and industrial clusters.



Austria



STENUM Asia

www.sustent.in/stenum-asia/

STENUM Asia a resource efficiency consultancy has a has a specialized expertise in SCP implementation in various sectors in Asia



India



The Energy and Resources Institute

www.teriin.org

The Energy and Resources Institute (TERI) is a research institute that specializes in the fields of energy, environment and sustainable development. TERI has a vast experience in SCP & clean technology implementation in Asia and Africa.



India

To learn more about the project

www.reap-centralasia.org

Uzbekistan: ubekistan@reap-centralasia.org

Tajikistan: tajikistan@reap-centralasia.org