



**ECO  
LOG**

**SAVE OUR PLANET  
WITH UNIQUE TECHNOLOGY**

## ERVO Technology

- ✦ ERVO is a patent-protected technological process, that enables the utilization of any waste material and, using mechanical, chemical and thermal treatment, extract and process all the organic material contained therein
- ✦ ERVO process allows any organic materials to be processed with high efficiency and decomposed into simpler molecules to obtain high-quality raw materials that can be used for the repeated production of polymers (plastics) or rubber.
- ✦ ERVO technology consists in multiple-repeated cleavage and synthesis of organic molecules, using catalysts and neutralizers, which guarantees maximum depth and efficiency of processing of all organic materials to the level of original (virgin) raw materials
- ✦ ERVO makes it possible on an industrial scale to carry out waste material recycling, to significantly reduce CO and CO<sub>2</sub> production, and to replace crude oil and natural gas in the production of new products.

**With 100% efficiency we can extract raw materials from any waste.**

## How does ERVO Technology works



Municipal waste



Plastic mixture



Tires



PET bottles

**...and any other waste with a high organic materials content**



**Raw (virgin)  
materials**

# Benefits of ERVO technology

Technology ERVO utilize every rubbish or waste material with high organic elements content, especially:



Municipal waste (not sorted)



All sorts of plastics



Tires or rubber products



Waste oils

...and many other materials.

**One ERVO Unit can process following amount of waste yearly (example):**



**65.000.000**  
PET bottles

or



**400.000**  
used tires

or



municipal waste from  
**10.000** households



Can substitute  
**6.000.000** liters  
of crude oil

## ERVO ensures homogenous output

ERVO guarantees the production of homogenous products. The basic product from ERVO Technology is a mixture of liquid hydrocarbons ("oil C-20").

The by-products are carbon, hydrogen(gas) and inorganic materials (eg. steel - from tires). The basic product, liquid hydrocarbons C-20, always has the same composition, regardless of the composition of the waste at the input.

Therefore, liquid hydrocarbons C-20 can be supplied to refineries or chemical plants for processing as a substitution of raw material.

## ERVO is highly efficient technology

Up to 100% of the input organic material is processed to the raw (virgin) materials.

- ❖ ERVO does not produce any harmful emissions, is environmentally friendly, which was verified by TUV NORD.
- ❖ Works without usage of external energy source.
- ❖ High level of automatization that is secured by SIEMENS/TESLA controlling system, two employees are enough to operate.
- ❖ It takes 10 years for the first overhaul, the overall life of ERVO is 30 years, with continuous operation 350 days a year.
- ❖ One ERVO unit occupies an area of only 6x15m (8m high).
- ❖ ERVO is manufactured in the EU, in accordance with EU safety and operating regulations.