



THERMAL DECOMPOSITION TECHNOLOGY

FROM WASTE TO ENERGY AND MATERIAL RECOVERY



Purpose of the Facility

The Technology is used for the thermal conversion of waste. It decomposing waste into products that can be reused for energy or material recovery. The waste volume can be reduced by up to 90%.

Gas Product (Syngas):

- A mixture of hydrocarbon-based gases (methane, ethylene, propylene) and others with a high hydrogen content.

Solid Product (Syncoal):

- A mixture predominantly composed of carbon, ash, and possibly inorganic residues.

Liquid Product (Synoil):

- A complex mixture of hydrocarbon similar to light fuel oil.

[Further information upon request](#)







Gas. a.s.

A high-speed photograph of a water splash, showing intricate, organic patterns of droplets and liquid filaments. The image is monochromatic, with varying shades of gray and white, giving it a textured, almost abstract appearance. The splash is centered and fills most of the frame.

Let's change color of energy together.