



terdesol

THE ULTIMATE RECYCLING SOLUTION



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The TERDESOL pilot project is being co-financed with the support of the Czech State Technology Agency within the framework of the SIGMA programme.

www.tacr.cz

Research useful for society.

Our technology was developed in cooperation with:



What is Terdesol?

Terdesol is a unique, patented technology, created for the ultimate recycling of municipal waste. It's a modular system, fully automatic and 100% energy self-sufficient. Terdesol can be adapted to the specific conditions of any location and to any type of waste composition.

Why do we call it the “ultimate recycling solution”?

Unlike other available technologies, Terdesol can process 97% of all municipal waste with maximum efficiency, while intelligently extracting all the raw materials it contains. There's no equally proficient, cost-effective and profitable solution today that turns municipal waste into valuable commodities such as oil, gas, electric and thermal energy, carbon, granulates, high calorific pellets, crushed glass, iron and non-ferrous metals.

Terdesol's uniquely adjusted waste separation and thermochemical process enables the extraction of raw materials from waste with consistent quality. As a result, the market value and tradability of the extracted raw materials remain steadfast, with numerous applications from foundry to glass manufacturing industries, from construction to agriculture.

Terdesol is recycling that works reliably, without placing any financial burden on municipal budgets.

What is one of the biggest problems in waste management today?

Recycling begins at home. Most people put an effort into properly separating and recycling their domestic refuse, but there's no guarantee that the separated waste won't end up in a landfill or incinerated in a heating plant. Few of us realize that only 30% of the contents of our yellow containers are properly processed, while most of this plastic waste is disposed of in a way that puts further strain on the environment. This ultimately harms our planet and is a loss of precious raw materials.

Terdesol effectively handles all plastic waste, breaking it down into useful products such as oil, gas and carbon. With its built-in co-generation unit, gas is easily converted into electricity. After entering into “island mode”, Terdesol becomes energy self-sufficient while producing excess electricity which can be profitably sold back to the grid as “green energy”. Terdesol handles municipal solid waste with equal efficiency.

Our patented system has been developed in cooperation with leading experts from the Academy of Sciences in the Czech Republic and the FCHT University of Pardubice. Terdesol is Czech know-how combined with the latest technologies from Germany, Holland and Austria.

Our expertise is easily verifiable thanks to the successful implementation of many working projects. In fact, our team is active in solving waste management problems in a number of countries around the world, such as Australia, Argentina, Botswana, Armenia, Vietnam, Ukraine, China, Russia and others.

It's no secret that current waste management systems are economically and environmentally obsolete and must be replaced by a new, modern approach.

Terdesol is a groundbreaking solution that brings an advanced and innovative way of thinking to waste management.

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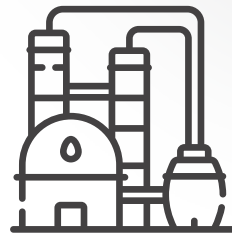
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Conversion of waste into valuable raw materials and energy



Municipal waste



terdesol



oil



iron



gas



carbon



fine
gravel



thermal
energy



electric
energy



garden
fertilizer



hydrogen



crushed
glass



high calorific
pellets



non-ferrous
metals

Thanks to our patented technology, 97% of all waste
is recovered for reuse