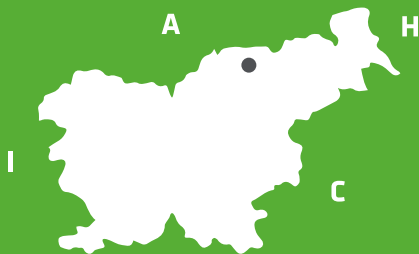


New Product

GET eco – Conversion of mixed waste plastics into fuel and electricity

LOCATION
Slovenia



SECTOR
Environment

CONTACT

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GET eco – Conversion of mixed waste plastics into fuel and electricity

The innovative machine GET eco is a product of experience and knowledge. It allows the processing of mixed waste plastics into fuel and electrical energy with over 90% efficiency. The whole process is carried out within the circular economy, the material pathways being entirely closed. The existing technology represents an excellent alternative to waste incinerators since it is more efficient energy-wise; the set-up and operation costs are lower, and it is more ecological.

The GET eco d.o.o. company solves the major environmental problems of processing mixed waste plastics and industrial residues by transforming them into both new and innovative products and semi-manufactured products. With a combination of various tested and environmentally friendly technologies, such as extrusion, slow pyrolysis, depolymerization and fractional distillation, GET eco is capable of transforming the mixed, polluted plastic material and industrial residue into synthetic

fuels, such as petrol, diesel, and bitumen, which renews asphalt. Simultaneously, electricity is produced from syngas with over 90% efficiency. The whole process is carried out within the circular economy, the material pathways being entirely closed.

The existing technology represents an excellent alternative to waste incinerators since it is more efficient energy-wise; the set-up and operation costs are lower, and it is more ecological. The company is currently developing a prototype already in operation, which is prepared to be upgraded to reach an industrial level. The input material consists of mixed plastic material, such as PE, PETE, PP, PS, ABS, PC, PU, mixed plastic mass, baby and adult diapers, and urban wastewater treatment plants. The company's goal is to ensure the automated operation of the machine 24/7. To increase the level of recycling in the region and eventually in the broader surroundings, the project needs substantial financial support.

New Product

GET eco – Conversion of mixed waste plastics into fuel

ADVANTAGES

- The technology is environmentally acceptable;
- Solving the major environmental problem of mixed waste and disposable plastics;
- Self-development and technology.

PHASE OF THE PROJECT

Operating prototype machine; a unique device.

ESTIMATED INVESTMENT IN TOTAL

To be determined.

