

food & beverage

valorizing your organic by-products

securing resources, feeding our world

Revealing value.

- Biological recovery
- Energy recovery
- Treatment for recovery



Revealing the value inside organic by-products and sludge.

valorizing your organic by-products

Make your organic waste profitable.
SUEZ turns sludge and organic by-products management into a cost-effective business.

2/3 of UK food waste
in landfills is avoidable

350,000 tons
of compost produced annually by
SUEZ in France

\$1 billion
growth by 2020 in the global
sludge management market

one offer, many solutions

- ▶ **biological recovery**
Return to soil of organics using biological recovery processes
 - Land spreading
 - Composting
 - Protein recovery
- ▶ **energy recovery**
Lots of organics, lots of potential energy
 - On-site anaerobic digestion
 - Off-site anaerobic digestion
 - Conversion of oil into fuel
 - Biomass gasification
- ▶ **treatments for recovery**
Facilitate valorization thanks to preliminary treatments
 - Improved sludge treatment
 - Bio-deconditioning

more benefits for you

composting

The large network of composting units of SUEZ locally transforms your sludge and organic by-products into safe, stable and nutrient rich compost.

- Build strong ties with your local community
- Comply with strict regulations
- Decrease your liability risks

off-site anaerobic digestion

Convert your bio-waste into valuable energy and recyclable materials in the most cost-effective way. The SUEZ network of anaerobic digesters takes care of it from collection to treatment.

- Make your bio-waste valuable
- Treat all kinds of organic materials
- Comply with regulations

conversion of oil into fuel

Make sure you get the best price when you convert your used cooking oil into valuable energy. Monitor the whole process on-line and in real-time.

- Lower your CO₂ emissions
- Prevent pipe deterioration
- Keep track of your co-product recovery

bio-deconditionning

Save money and extract more reusable resources from your packaged waste at the same time with our state-of-the-art de-packaging installations.

- Increase your co-product recovery rate
- Take advantage of tax exemptions
- De-package your waste

achievements



objective:

Recover energy from biomass

measured benefits:

56,000 tons less of CO₂
21 MW of renewable energy
15% of needed steam provided



objective:

Bring down costs and discharges

measured benefits:

40% sludge reduction

less energy use for Osiris

Osiris, Roussillon, France

On one of the biggest chemical platforms in Europe, Osiris needed us to manage their biomass and hazardous waste incinerator. SUEZ diversified energy sources by building an efficient biomass unit that it will operate.

reducing sludge and costs

Cogesal Miko (Unilever), Saint-Dizier, France

In order to comply with regulations and anticipate larger volumes, Cogesal Miko needed us to manage their expensive sludge production. With our Biocontrol solution and a results-based contract, SUEZ reduced their operating costs and their discharge pollution load well below existing standards.

SUEZ

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