



PRESECO WASTEWATER TREATMENT PLANTS
EFFECTIVE PURIFICATION IN COMPACT FORM.



TOTAL SOLUTIONS FOR CLEANING WASTEWATERS.

Preseco offers advanced technologies and integrated solutions for cleaning all municipal and industrial wastewaters. A purification plant is always designed and tailored for the site according to the purification requirements and incoming water quality.

Typically our wastewater treatment plants are combinations of mechanical, biological and chemical treatments forming effective, cost-efficient and environmentally friendly processes.

Preseco water treatment plants are based on solid planning and engineering know-how as well as experience from hundreds of sites. Our plants are compact in lay-out but large in purification capacity. Thanks to their compact size, construction costs also remain low.

For advanced sludge treatment, combine Preseco wastewater treatment plant with a Preseco drum composting plant, which turns the reject sludge easily and cost-effectively into odour-free and hygienic compost.

PROCESS OF PRESECO WASTEWATER TREATMENT PLANT

The water purification process may comprise the following parts:

MECHANICAL TREATMENT

- screening
- sand separation
- grease removal

PRIMARY TREATMENT

- flotation
- dosing of coagulants, flocculants and phosphorus precipitation

SECONDARY TREATMENT

- activated sludge or other biological process
- nitrogen removal (nitrification and de-nitrification)
- biological phosphorus removal
- clarification

TERTIARY TREATMENT

- dosing of coagulants and flocculants
- filtration
- disinfection

SLUDGE TREATMENT

- stabilization (anaerobic or aerobic)
- thickening
- polymer dosing
- mechanical dewatering





Industrial wastewater treatment in Kotka, Finland



Municipal wastewater treatment plant in Kurikka, Finland

INDIVIDUAL TOTAL SOLUTIONS

All our plants for biowaste, water and wastewater treatment as well as biodiesel production are compatible, and by combining them we are able to provide comprehensive and creative environmental solutions which turn all your waste streams into benefit.

For example, a Preseco drum composting plant or a Preseco biogas plant is ideal to turn the reject sludge of a wastewater treatment plant into valuable end products, or a Preseco wastewater treatment plant to purify the reject water of a biogas plant.

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