

# Pomorzany Szczecin

## Poland



Szczecin – is the seventh-largest city and the largest seaport in Poland on the Baltic Sea. It is located on the Oder River, about 60 kilometres from the river's mouth, at the Bay of Pomerania and about 160 kilometres to the North-West of the city of Berlin.

In the context of the “Szczecin Water Quality Improvement Programme” WTE Wassertechnik GmbH was awarded as the leader of a Consortium the contract for construction of the modern Pomorzany Wastewater Treatment Plant, for the whole left bank part of Szczecin, together with the installation for waste utilization.

# Technical details

Fully biological cleaning of municipal and industrial wastewater with elimination of carbon and simultaneous removal of nitrogen and phosphorus, mechanical sludge thickening, dewatering, drying and sludge incineration.

## Project key figures

Commissioning	September 2009
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Test operation WTE	6 months
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## WWTP key figures

PE	418,000
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Max. m <sup>3</sup> /h	3,880
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Average m <sup>3</sup> /d	66,000
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## Chemical and biological parameters

	Influent	Effluent
BOD <sub>5</sub>	380 mg/l	15 mg/l
COD	700 mg/l	125 mg/l
TSS	270 mg/l	35 mg/l
TN	65 mg/l	10 mg/l
TP	10 mg/l	1 mg/l

The wastewater is fed to the treatment plant via four wastewater pressure pipelines with a diameter of up to DN 1,000. The plant has two upstream rainwater-equalising reservoirs for excessive water volumes during rainy periods.



The whole of the works subject to final taking-over have been substantially completed on Juli 2010. Tests on completion in accordance with the requirements of the water permit have been finished with positive result.

