PROJECT REPORT

Oslo
UBRA Bekkelaget

Data and facts

Company	PNC Norge AS, PORR GmbH & Co. KGaA
Type	Structural engineering
Runtime	10.2017 - 02.2020
Principal	Oslo Municipality, Water and Sewerage agency

Project report online

www.pnc-norge.no

Norway’s second-largest sewage treatment plant

The wastewater treatment process includes mechanical and biological purification of wastewater, post-treatment by sand filtration, and sludge treatment with thermophilic sludge stabilisation and associated gas processing. Once the plant is complete, all wastewater, rainwater and meltwater (up to 7 m³/s or 850 million m³/year) will be treated.

PNC and PORR are entrusted with the supply, assembly, and start-up of all the mechanical and process engineering aspects for the expansion of the sewage treatment plant, as well as the replacement of some of the equipment in the existing plant. The transport logistics and assembly work will be especially challenging, as almost all of the sewage treatment plant is constructed in underground rock caverns.

The scope of supply and installation includes 14 scraper bridges, 120 different pumps, the membrane ventilation system, a complete lime milk preparation system, more than 20 heat exchangers, nearly 100 stainless steel bodyless shut-off valves, around 1,100 pipe fittings and 14 km of stainless steel pipelines.

Impressions

Image notes

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Inspection of existing installations.

The PNC project team is also familiar with the existing plant. This is important because the new plant components have to be designed to be compatible with the existing plant and must ultimately function with it as a single unit.

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Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PNC Norge AS
Hoffsveien 1A
0275 Oslo
E-Mail: office@pnc-norge.no