

GROSSLAPPEN TREATMENT PLANT, MUNICH

Population equivalent: 1.4 mio. p.e.
Sludge volumes: 2 800 m³/d (annual
volume 1 million m³ approx.)
Daily sludge volume: 2 800 m³/d / 20 d
digestion period

Capacity of
digestion tanks: 4 x 14 500 = 58 000 m³

As a replacement measure, the City of Munich plans to erect four new digestion tanks, including operation building and integration into the existing system. The arrangement of the tanks at an exposed location demands a balanced and satisfactory architectural concept.

The tanks have the shape of a truncated cone on a cone, and are connected to an operation building at a lowered position.

In this latter are accommodated the technical process facilities and peripheral installations for operation (e.g. electrical, ventilation and utility systems, control instrumentation technology, heating management, etc.). The complete connection of utility lines and integration into the existing overall plant will be ensured via a new installation channel.



Sewage Treatment Plant 1, Grosslappen, New Digestion Tanks, Germany

Services provided

Engineering structures (from execution planning), structural engineering (overall planning), technical building equipment and installations, lifts/lifting devices (overall planning), construction management and site supervision for construction engineering and technical building installations - in planning association with GKE Consult Bochum and Ackermann + Partners, Architects BDA, Munich

Technical details

Construction of new facility to replace the existing plant, including integration into the existing system.
Anaerobic-mesophilic process (36 C), including extraction of sewage gas for exploitation in the existing combined heat and power plant