MBA Neumünster

Mechanical-biological waste treatment plant

The identical rotting halls, each measuring 88.40 m x 70.00 m, are divided into two aisle rotting modules of 30.00 m length with a 10.00 m wide tramline in between. The supports of the steel construction are connected in a flexurally rigid manner in the longitudinal direction with roof beams arranged at intervals of 4.50 m. In the transverse direction, the bracing is achieved by crossings between the columns arranged in each axis.

The solid construction consists of a foundation slab as a flat foundation and 2.50 m high reinforced concrete walls clamped into it on one side. The reinforced concrete walls are designed as precast elements. Below the tramline there is a cellar corridor which accommodates a blower and installations. The entire solid construction is designed as a waterproof construction.

Project details:

Year: 2004

Location: Neumünster, Germany

Building owner: Stadtwerke Neumünster

Client: Biodegma GmbH

Services: Structural design

Other parties involved:
Ingenieurbüro Dr.-Ing. S. Greiner, Berger & Fichtner, Ingenieurbüro Horn + Horn