

Service Depot for High-Speed Trains in Berlin-Rummelsburg

Project Report



Situation

The service depot of Deutsche Bahn AG in Berlin is a modern facility with a long history: the oldest part of depot has been operating for more than 100 years.

Collectively, an average number of 24 ICE high-speed trains are serviced and maintained daily, inside 4 service halls with 10 indoor service tracks, as well as on 9 outdoor service tracks.

Since 1998, the Aqseptence Group has worked on various projects involving the delivery and installation of water supply

and sewage disposal systems.

The following requirements had to be met:

- Drip-free and odourless extraction
- Usage of automatic suction valves
- Control of the suction valves without the use of an external power supply
- A high hygienic standard
- Availability of supply and disposal systems at any place alongside the tracks

Solution

Aqseptence Group delivered and installed water supply and sewage disposal systems that meet all the a.m. requirements.

In order to allow for ergonomic operation, a sliding positioning system is used that carries the weight of the suction pistols.

This system, in combination with the automatically-closing Roediger suction pistols, allows for a very fast and economic ser-

vice of the trains, using only very few operators.

The vacuum stations - consisting of vacuum vessels, vacuum pumps, sewage discharge pumps, odour control units and control panels - are installed inside two separate plant rooms, located at opposite ends of the service depot.

Supply and Disposal Systems for ICE high-speed trains

- 6 Service tracks (32 supply and disposal stations) In operation since 1998
- 3 Service tracks (35 supply and disposal stations) In operation since 2001
- 2 Service tracks (7 supply and disposal stations) In operation since 2008
- 2 Service tracks (7 supply and disposal stations) In operation since 2011
- 2 Service tracks (28 supply and disposal stations) In operation since 2016

Vacuum stations

- 3 Vacuum stations

Further equipment

- Various utility cabinets for the cleaning of train interiors



Utility Cabinet for the interior cleaning of trains



Roediger Hose-Reel System with Suction Hose and Extraction Pistol



Roediger Extraction Pistol



Roediger Potable Water Supply Station