



Railway Service Depot in Köln-Nippes (Cologne-Nippes)

Project Report



Situation

This is the newest, most modern and most environmentally friendly service depot of Deutsche Bahn, built in Cologne for the new generation of ICE-4 high-speed trains, covering an area of 23 hectares.

Up to 16 trains are serviced every night,

within the service hall.

This service hall is 445 m long, 50 m wide, and is equipped with 4 elevated service tracks.

The service depot was opened in February 2018.

Solution

Aqseptence Group supplied and installed innovative technical systems for water supply and sewage disposal.

Two containerized vacuum stations have been installed, one in the service hall and one in the outdoor section that contains cleaning facilities for the train interiors.

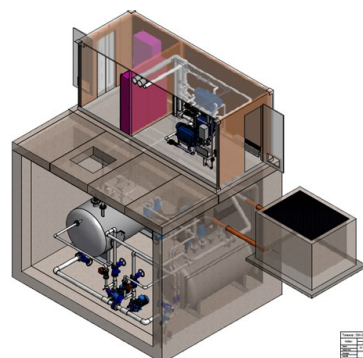
Also installed in the service hall are numerous underfloor hose-reel systems, both for water supply and sewage disposal.

For the interior cleaning facilities, located outside, there are various supply and disposal modules, as well as cleaning cabinets.

Inside the service hall	<ul style="list-style-type: none"> ▪ 1 vacuum station (container design) ▪ 59 wastewater pits with hose-reel systems, incorporating automatic & drip-free suction pistols ▪ 33 water supply pits with hose-reel systems
In the outdoor section (interior cleaning facilities)	<ul style="list-style-type: none"> ▪ 1 vacuum station (container design) ▪ 54 supply and disposal cabinets, incorporating automatic & drip-free suction pistols ▪ 8 cleaning cabinets
Operation	<ul style="list-style-type: none"> ▪ Since 2018



Service Hall with 4 Elevated Service Tracks



Roediger Vacuum Station
(container design)



Wastewater Pit with Roediger
Suction Pistol