

BASF - Wastewater Treatment Plant - Ludwigshafen



■ The Facts

Customer:	BASF AG
Projectname:	BASF Wastewater treatment plant, Z526
Industry:	Chemical Industries
Productfamily:	GIS ZX1.2
No. of panels:	23
Order volume:	792,000 €
Order intake:	December 2001
Commisioning:	September 2002 cont.
Responsible:	Franz Winter, DECMS
Key Account:	Hubertus Dietz, DEPI

■ The Story

The wastewater treatment plant at BASF Ludwigshafen is one of the largest of its kind in Europe. All the more a great challenge to replace the existing 20 kV-Switchgear in full operation: A fault would practically paralyze not only BASF. ABB was selected as strong and reliable partner for this project.

The giant plant could treat the effluent from a city with a population of 6 to 7 million. The treatment plant handles not only the effluents from BASF Ludwigshafen but also the municipal effluents of the cities of Ludwigshafen and Frankenthal and the community of Bobenheim-Roxheim. The total volume treated in 1999 amounted to 155 million cubic meters of effluent.

The modern gas insulated switchgear ZX1 suits well in the concept of this plant. Task for ABB is to exchange the old switchboard in three steps including the providing of a interim solution. One challenge layed within the scarce dimensions in the switching room.

The SCADA connection was planned in cooperation with ABB Utility in Mannheim. The experienced ABB project team will ensure a smooth termination of the switchboard exchange.

