MVV Plymouth

Plymouth, United Kingdom

Lindner


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Project Description

The waste incineration plant of MVV Umwelt GmbH is situated close to the oldest and largest marine base of Europe, Devonport Royal Dockyard in Plymouth. The company was comissioned with the planning, construction and operation of this highly-efficient plant with cogeneration set-up. While the Royal Navy, being the region´s largest energy consumer, saves up to 20 percent of energy costs through direct procurement, the taxpayers also profit through reduced waste charges. The incineration capacity of the plant amounts to 245.000 tonnes per year, consisting of household and industry waste. With an efficiency of 49 %, the plant performs about twice as well as the average English waste incineration plant.

In order to achieve this efficiency, Lindner Bautechnik GmbH conducted insulation works on an area of 19,500 sqm as well as the scaffolding works necessary to carry out these works. the insulations were made at the waste furnace, at the HD, MD and ND pipe systems of the turbine house as well as on the recirculation pipes for steam and condensate, which range about 1.4 kilometres. Also, the water purification facility and the bucket conveyor have been insulated by Lindner. Particular attention was given to the appearance of the heat and noise insulation of the Air Cooled Condenser, which is situated on the facility´s exterior, thus influencing its general appearance.

General

Building Type	Power Plants, Industrial and commercial construction
Company Division	Lindner Bautechnik GmbH
Completition	2016
Client	MVV Umwelt GmbH

Completed Works

- Insulation Engineering
  Scaffolding works


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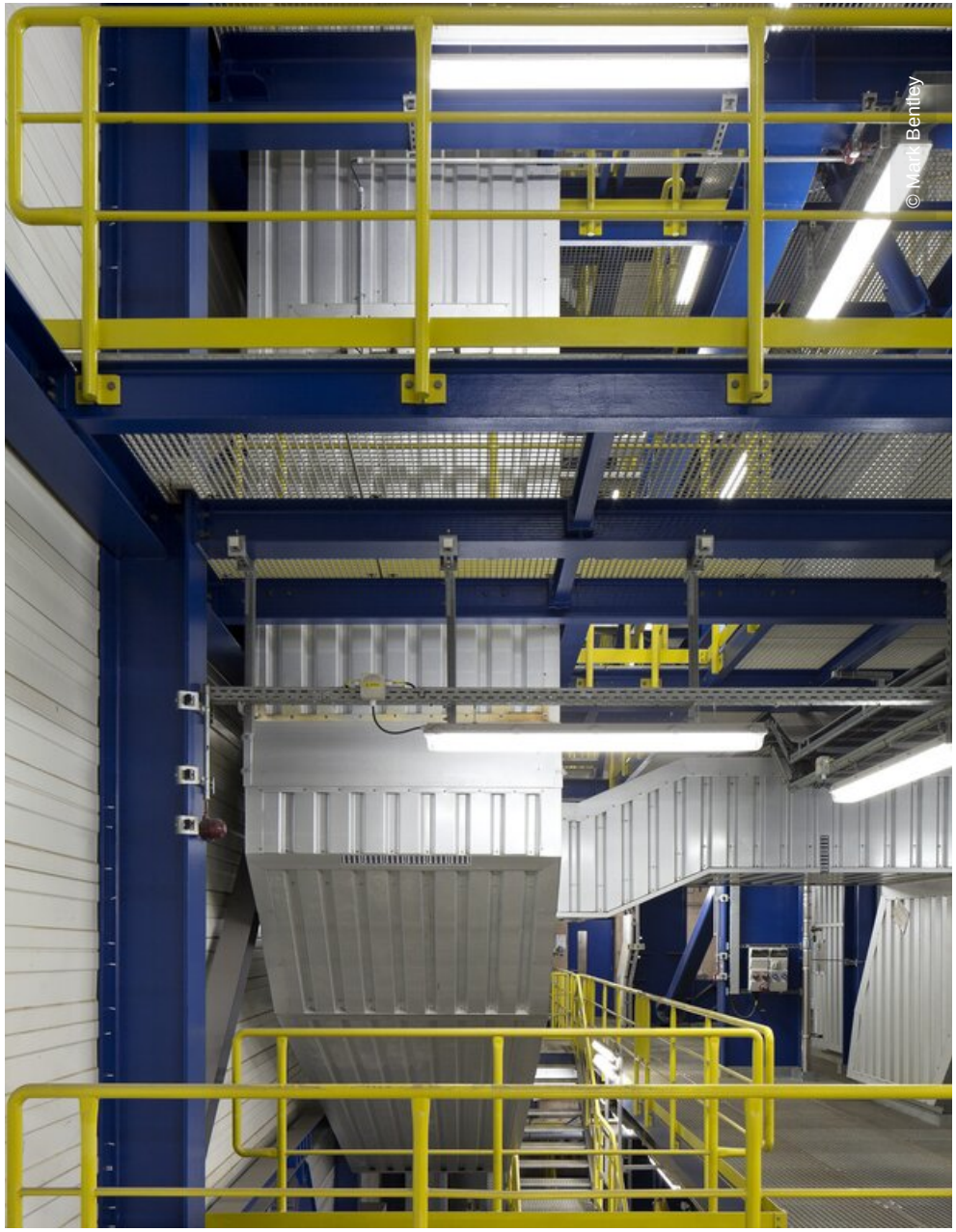





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