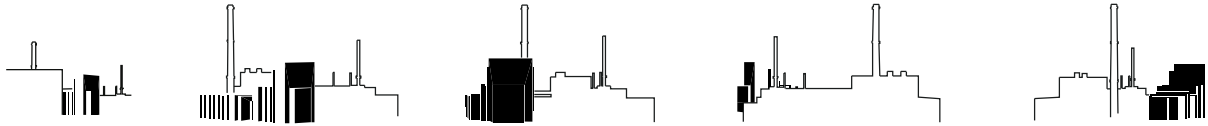




Power Plant Lausward

Typology power plant facade, city window with observation deck **Location** Düsseldorf
Construction Volume city window with observation deck GFA 1,620m², GV 33,500m³ total facade area approx. 24,000m², incl. approx. 2,700m² for city window glass facade **Client** Stadtwerke Düsseldorf **Building Services** Siemens AG **Realisation** 2012 -2016
Competition 1st prize 2012 **Awards** Sonderpreis Industriebaupreis 2016, AIV – Bauwerk des Jahres 2016, Iconic Awards 2017 , BDA Düsseldorf Auszeichnung guter Bauten 2017 – honorable mention



#Building envelope design of new natural gas power plant and construction of visitor observation deck at Düsseldorf's Rhine Bend in immediate vicinity of the harbour and city centre The facade links the observation deck and power plant components creating a complex of buildings which, through an interplay of closed frames and illuminated joints, has become a structural logo for the city's energy supplier at night.



Photo Jens Kirchner

The new highly efficient and climate-friendly natural gas power plant is visible from afar at the bend of the river Rhine and, as a distinct landmark, indicates the city's south-west boundary. A facade made of steel frames wraps the various building components of the new power plant in a uniform cloak. The individual modules have been designed to meet the diverse requirements of the inner workings; at the same time, the rhythmic pattern of the skin divides the vast scale of the facility into acceptable units. The largest frame element completing the plant in the north-east, the so-called "City Window", incorporates the smokestack – the highest point in the complex. A lift takes groups of visitors up to an observation deck approximately 45 metres above the ground from where, through a fully glazed facade, they can see across the vast expanse of the power plant as far as Cologne

and north across the river Rhine to Düsseldorf's city centre.



Photo Jens Kirchner