

## Central Station, Rotterdam, The Netherlands

**Architects:** Benthem Crouwel Architects, Amsterdam, MVSA Meyer & Van Schooten Architects, Amsterdam together with West 8, Rotterdam (Team CS)

Rotterdam is the biggest sea port of Europe and number three world-wide. High-speed rail traffic and growing passenger numbers required an extension and full renewal of the station. The building envelope should be iconic on the one hand and reliably withstand the corrosive conditions of a coastal and urban environment on the other. Totalling 30,000 m<sup>3</sup>, both the horizontal and the vertical parts of the roof structure were clad with stainless steel. Seam-welded austenitic stainless steel is the only metallic solution for roofs which have flat or only mildly inclined roof surfaces. The seams ensure long-term water tightness, even in permanently submerged zones.

### Details

<b>Environment:</b>	Urban
<b>Fabrication process:</b>	Continuous seam welding
<b>Grade and finish:</b>	316L, 2B
<b>Material thickness:</b>	0.5 mm
<b>Total weight of the stainless steel:</b>	appr. 130 t
<b>Date of completion:</b>	2014
<b>Manufacturing company:</b>	Ridder Skins for Buildings BV, Zwaag, The Netherlands
<b>Material supplier:</b>	Aperam



Photos by Jannes Linders (left and central), Ben Bomhals (right)