

## Reference

# Flue gas ducts for Dubai

<b>Client:</b>	<b>KAEFER services</b>
Bilfinger Rosink GmbH	> 1,300 m <sup>2</sup> of insulated surfaces
Nordhorn	> 6-layer insulation of ceramic fibre
<b>Construction / Assembly site:</b>	<b>Timeframe</b>
Nordseewerke Emden	2014

The insulation of flue gas ducts with temperatures of around +570 °C, combined with a heat recovery system, is one of the more technically challenging jobs in insulation technology. KAEFER had just 8 weeks to insulate the four components for shipment to Dubai. The four flue gas ducts were 17 metres long, 8 metres wide and 4 metres high and were initially insulated with 6 layers of 45 mm ceramic fibres. A cover of heat-resistant steel was then fabricated and fitted to provide mechanical protection. An additional protective coating ensures that the ducts are protected against corrosion on their sea journey towards final assembly in an aluminium plant. KAEFER completed this order on schedule, having completed some 4,000 hours of work.

> Heat insulation



> Cold insulation



> Noise protection



> Fire protection



> Surface protection



### Scope of work

- > Insulation of 4 flue gas ducts, 17 x 8 x 4 metres (L x W x H) with a total of 1,300 m<sup>2</sup> of insulation surface

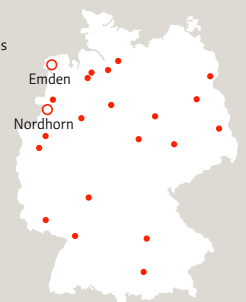
### Implementation

- > 6 layers of 45 mm ceramic fibres
- > Cover of heat-resistant steel sheeting (16 MO 3)
- > Assembly on site at Nordseewerke Emden

### Customer benefits

- > Technology, logistics and execution by a dependable partner
- > Everything from a single source, from accurate production to transport packaging
- > Tight schedule met thanks to the deployment of qualified technicians at short notice

Our locations  
in Germany



KIG.R07.GB.14

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Are you interested in more examples of our services? A selection of references is available from [www.industrie.kaefer.com](http://www.industrie.kaefer.com)



# KAEFER