

# AVG STADE

Germany

**SSAB**



**DEPENBROCK**

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# INTRODUCTION

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# PROJECT DESCRIPTION

2023

Delivery year

1309<sup>to</sup>

delivered

41,1 m

longest piles

93

piles

914 x 20mm

1016 x 16mm

5841 m<sup>2</sup>

coated surface

2

deliveries to site

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Oulainen Works, FIN



Grau-Shipping, DK



USM, GER



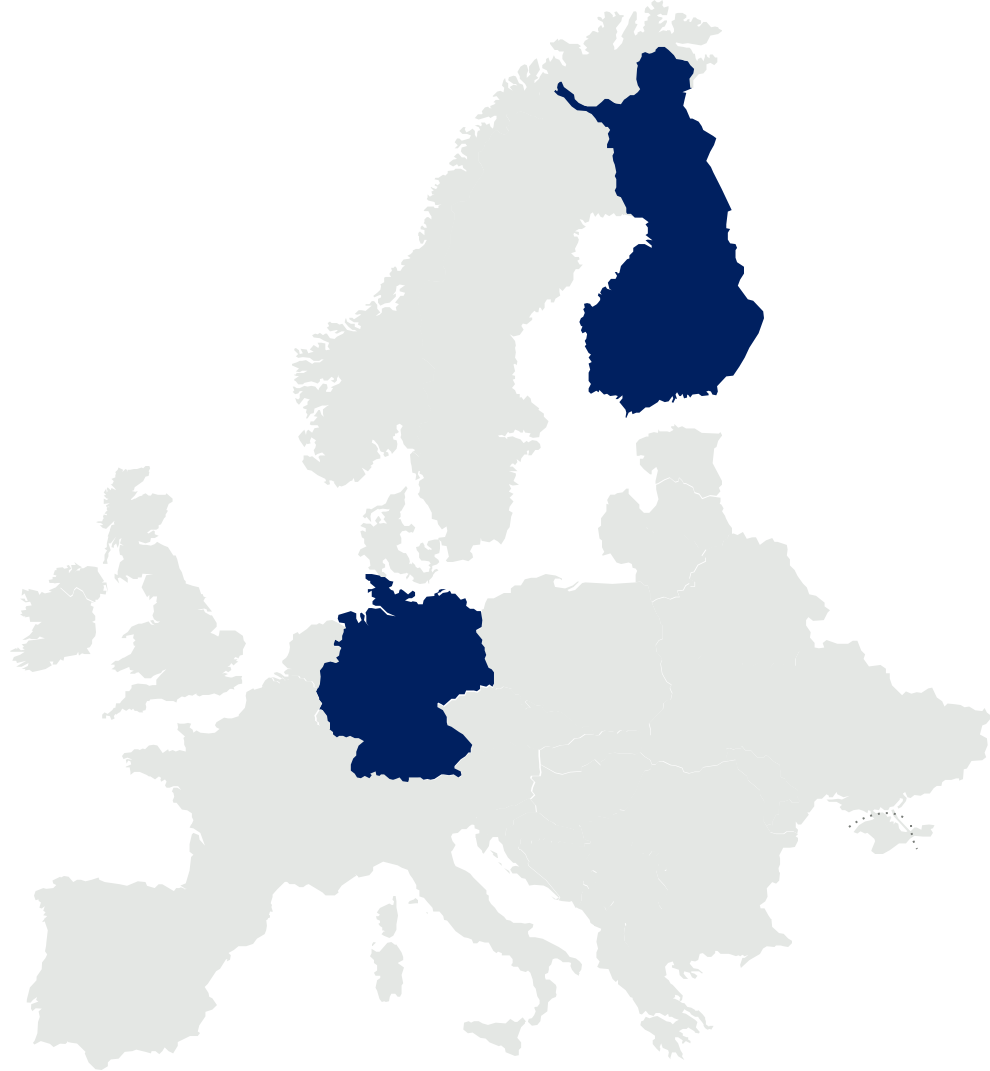
Rupertus Strako, GER



**DEPENBROCK**

Depenbrock, GER

# INTRODUCTION



# INTRODUCTION



# INTRODUCTION



There are plans to build a new jetty for liquefied gases (LNG) as a public port in Stade-Bützfleth on the River Elbe. Various gases are to be handled at this jetty - synthetic climate-neutral gases such as hydrogen and ammonia as well as liquefied natural gas (LNG). In addition, the existing southern port is to be converted and expanded in order to also serve transshipment and onward transportation.



# CHALLENGES

A black and white photograph showing a large industrial pipe being hoisted by a crane on a ship's deck. The pipe is suspended horizontally across the frame. In the background, there is a body of water, a large crane structure, and some industrial buildings. The sky is overcast.

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# CHALLENGES

## PILE PRODUCTION

41,1m in one piece (without splice-welding) was not done before



## COST-REDUCTION

2 Shipments to Germany would be too expensive



## COATING

87 piles to be coated > 5800m<sup>2</sup>



## JUST IN TIME

Customer wanted to have material at the right time at the right place



# DELIVERY

An aerial, black-and-white photograph of a large industrial yard, likely a steel mill. In the upper left, several large coils of steel are stacked. In the center, a truck is positioned to load a coil onto its trailer. To the right, another truck is parked, and a third truck is visible in the lower right. The ground is paved and shows some wear and markings. The overall scene depicts the delivery of steel products from a manufacturing facility.

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# DELIVERY



# COATING

## Coating requirements

- Sa 2 1/2
- 18-22.00m coating length
- 87 piles
- 1 x 50 µm Stelpant 1-component PU  
Zinc
- 2 x 225µm Stelpant 1K-PU Combi 300  
Final color black

① We adjusted the speed of coating in accordance to the installation speed in Stade

① Customer required the right sequence to ensure efficient driving of the piles

# Execution

**1** Barge transport from Bremerhaven to Stade

① Customer required the right sequence to ensure efficient driving of the piles

**2** Delivery in two equal lots within two weeks

① Space on site was limited  
Continuous communication flow was necessary

**3** Installation 3-4 piles per day

Video



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# Summary

- 1 The trend is to offer more complete components / constructions
- 2 Direct communication between mill and contractor is a big advantage
- 3 New SSAB system to protect coated surface tried and tested in 2023
- 4 Smart production / logistics can reduce the costs significantly
- 5 ...

# Kiitos huomiostanne

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