

# APPROVAL OF MANUFACTURER CERTIFICATE

## This is to certify:

That

**Salzgitter Mannesmann Grobblech GmbH**  
**Mülheim an der Ruhr, Nordrhein-Westfalen, Germany**

is an approved manufacturer of  
**Rolled Steel Products**

in accordance with

**Det Norske Veritas' Rules for Classification Pt. 2**  
**Offshore Standard DNV-OS-B101**

and the following particulars:

<b>Product</b>	<b>Hull structural steels</b>
<b>Grades</b>	<b>NV A36, NV D36, NV E36, NV F36</b>
<b>Steelmaking</b>	<b>Basic Oxygen Converter</b>
<b>Deoxidation</b>	<b>Killed</b>
<b>Fine grain elements</b>	<b>Al+Nb+Ti</b>
<b>Delivery conditions</b>	<b>Thermo-mechanical rolling</b>
<b>Max. thickness</b>	<b>90 mm</b>
<b>Remarks</b>	<b>Including Z-quality Z35</b>

Manufacturer approved by this certificate is accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-10-12**.

Issued at **Høvik** on **2015-10-13**

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Dechun Lou**

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**Hanne Anita Hjerpetjønn**  
**Head of Section**