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APPROVAL OF MANUFACTURER CERTIFICATE

AMMM00002C2 Revision No:

This is to certify:

Iraeta Energy Equipment Co., Ltd.

No. 4177, Jiwang Road, Zhanggiu district, Jinan City, Shandong Province, China

is an approved manufacturer of

Steel Forgings

in accordance with

DNV rules for classification - Ships DNV class programme - DNV-CP-0247 Steel forgings

and the following particulars:

Application area

Forgings for hull structures and equipment

Forgings for shafting and machinery

Stainless steel forgings

Steel type

Carbon and carbon-manganese,

Alloy

Austenitic stainless

Open die forging, ring rolling

Forging method Max. weight Max. thickness

Heat treatment condition

Additional approval conditions

See page 2 See page 2

See page 2

See page 2

禁止外传

禁止外传

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

禁止外传

Issued at Hamburg on 2025-01-14

This Certificate is valid until 2028-01-31.

DNV local unit: Qingdao NB & CMC

Approval Engineer: Christian Wildhagen

禁止外传



for DNV

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Form code: AM 311 Revision: 2024-10

禁止外传

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APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:

禁止外传

禁止外传

This is to certify:

That

Iraeta Energy Equipment Co., Ltd.

No. 4177 Jiwang Road, Zhangqiu, Jinan, Shandong Province 250217,

China

is an approved manufacturer of Steelmaking

in accordance with

DNV rules for classification - Ships

DNV class programme - DNV-CP-0242 Semi-finished steel products

and the following particulars:

Application area Steelmaking

Products Semi-finished products for rolling or forging stock

(ingots / cast billets)

Steel type Carbon and carbon-manganese,

Alloy

Manufacturing method EAF, LF, VOD, IC or CC

Deoxidation Killed
Max weight See page 2
Max. diameter See page 2
Heat treatment condition As cast

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Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at Hamburg on 2024-12-18

This Certificate is valid until 2027-12-17.

DNV local unit: Qingdao NB & CMC

Approval Engineer: Stefan Röhr

Dist. Pro

for DNV

This document has been digitally signed and will therefore not have handwritten signature

Christian Widhagen

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Form code: AM 311 Revision: 2024-10 www.dnv.com Page 1 of

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APPROVAL OF MANUFACTURER CERTIFICATE

AMMM000022A Revision No:

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禁止外传

This is to certify:

Iraeta (Jining) High-tech Equipment Co., Ltd.

No. 29, Longgiao North Road, Xinyan Town, Yanzhou District, Jining City, Shandong Province,

China

is an approved manufacturer of Steel Forgings

in accordance with

DNV rules for classification - Ships DNV class programme - DNV-CP-0247 Steel forgings

and the following particulars:

Application area Forgings for hull structures and equipment

Forgings for shafting and machinery

Steelmaking

Steel type Carbon and carbon-manganese,

Alloy

Open die forging Forging method Max. weight See page 2 Max. diameter See page 2 Heat treatment condition See page 2

Additional approval conditions Including steelmaking, see page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at Hamburg on 2024-07-29

This Certificate is valid until 2027-05-22. DNV local unit: Qingdao NB & CMC

Approval Engineer: Stefan Röhr

for DNV Digitally Signed By: Lohmann, Thorsten Location: DNV Hamburg, Germany

Signing Date: 29.07.2024

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Form code: AM 311

Revision: 2022-12

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