Certificate no.:
TAS000058B

TYPE APPROVAL CERTIFICATE

This is to certify:

that the portable offshore unit

with type designation(s)
Frame for Offshore Welfare Unit

issued to
Harlum Services Limited
Stockton On Tees, **United Kingdom**

is found to comply with
DNV standard DNV-ST-E273 – 2.7-3 Portable offshore units, April 2016 (Amended May 2022)

Application:

Max. gross mass (kg)	**500**
Max. payload (kg)	**0**
Max. sling leg angle	**45**

Issued at **Aberdeen** on **2026-03-18**
This Certificate is valid until **2031-03-17**.
DNV local unit: **Manchester**

for **DNV**

Approval Engineer: **Brendan Ward**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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, its 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.

Manufactured by
Industro Engineering Ltd.
Middlesborough, United Kingdom

DNV local office: Manchester

Responsibility
Harlum Services Limited takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1.

Product description

Maximum external dimensions (LxWxH) (tare)	:	1582 x 1067 x 2393 mm
Tare mass*	:	500 kg
Type	:	A
Operational Class	:	R30-SE

*) Tare mass is to be confirmed by weighing. The sum of tare and payload shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Minimum design temperature	:	-20ºC
Resultant sling force (RSF)	:	19.4 kN
Shackle size	:	3.25 t

The DNV surveyor shall witness all important production and testing events and issue a certificate on Form no. MOP 201 “Certificate for Portable Offshore Unit” for each unit.

This unit is to be handled in accordance with the operational procedure.

This unit has been designated with operational class notation - single event (SE) and is intended to be permanently installed offshore. Should a situation arise in the future that necessitates further lifting and transportation, the operation may be accepted at the discretion of a DNV surveyor, following a thorough visual and NDE inspection of all primary structure items.

The wastewater tank shall be empty of fluids during all offshore lifting and transportation activities.

The following have not formed part of this approval:
- sea transport and sea fastening details
- securing methods and devices for securing of the unit to an installation
- effects of functional, operational and environmental loads induced on the unit during installation and operation
- lifting set and associated components.

Type Approval documentation

Tests carried out
This design is exempt from load testing. Prototype testing has been substituted by an additional design load factor of 1.3 in accordance with DNV-ST-E273 section 5.2.5.

Marking of product

Marking shall be carried out in accordance with DNV-ST-E273 section 6.

Fork lift pocket openings are a smaller size than stated in DNV-ST-E273 section 3.9.3. The unit should be marked with “undersized fork pockets or words to this effect in accordance with DNV-ST-E273 section 6.2.

Reference to the operational procedure shall be included on the information plate and unit is to be marked with ‘operational restrictions’ in accordance with DNV-ST-E273 Section 6.2.

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com