Certificate no.:
TAS000050K

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Portable Offshore Units

with type designation(s)
Skid for Wellspin Desander

issued to
D&P Innovations Sdn. Bhd.
Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia

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)	**18000**
Max. payload (kg)	**12000**
Max. sling leg angle	**30**

Issued at **Aberdeen** on **2025-09-26**
This Certificate is valid until **2030-09-25**.
DNV local unit: **Kuala Lumpur**

for **DNV**

Approval Engineer: **Brendan Ward**

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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

DNV CIM number: 1250637

Local DNV office: Kuala Lumpur

Responsibility

D&P Innovations Sdn. Bhd. takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1 of this type approval certificate

Product description

Maximum external dimensions (LxWxH)	: 5572 x 2400 x 2700 mm
Tare mass*	: 6000 kg
Type	: A
Operational Class	: R45

*) 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	: -20 ºC
Resultant sling force (RSF)	: 195 kN
Shackle size	: 17 t

DNV surveyor shall witness important production and test events and issue Form no. MOP 201 “Certificate for Portable Offshore Unit” for each unit.

This type approval is valid for the horizontal lifting configuration only

Type Approval documentation

Tests carried out

Prototype tested in accordance with DNV-ST-E273.

Marking of product

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

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