

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Portable Offshore Units**

with type designation(s)
RF 35 Reel Container

Issued to

UAB Advantec Lietuva
Klaipeda Klaipedos, Lithuania

is found to comply with

DNV Standard for Certification No. 2.7-3 Portable Offshore Units (2011)

Application :

DNV 2.7-3 Type A R30

Max. significant wave height during offshore lift is 3.0 m.

Only certified lifting equipment shall be used.

Max. gross mass (kg) 35.000

Max. payload (kg) 19.470

Max. sling leg angle 45

This Certificate is valid until **2020-06-22**.

Issued at **Høvik** on **2016-06-23**

DNV GL local station: **Klaipeda**

for **DNV GL**

Approval Engineer: **Steinar Hernes**

.....
Florus Korbijn
Head of Section

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.

Job Id: **262.1-020593-1**
Certificate No: **TAS00000HK**

Manufactured by

Advantec Lietuva UAB, Pramones Str 17, LT-94102 Klaipėda, Lithuania

Responsibility

The Holder of the Certificate takes responsibility that both design and production are in compliance with the Rules, Standards and/or Regulations listed on page 1 of this Type Approval Certificate.

Product description

RF 35 Reel container

POU TYPE / CLASS : DNV 2.7-3 TYPE A R30
TARE WEIGHT : 15 530 kg
EXTERNAL DIMENSIONS (LxWxH) : 4977x4500x4365 [mm]

Application/Limitation

Maximum Gross Weight (MGW) : 35 000 kg
Max H_s during offshore lift : 3.0 m
Min. temperature : -20.0°C
Max. sling leg angle with vertical : 45°
Shackles (WLL) : 17 T (bow shackle with safety bolt)

DNV GL surveyor to witness important production and test events and issue Form no. 49.01a "Certificate for Portable Offshore Unit" for each unit .

Production strength tests to be carried out according to DNV 2.7-3 and after agreement with the DNV GL surveyor

The certificates are only valid when the units are fitted with certified lifting set.

Type Approval documentation

Tests carried out

Prototype testing according to Standard for Certification No. 2.7-3, May 2011.

4-point lifting acc. to 5.2.3, total load (table 5-2): 59 200 kg

Job Id: **262.1-020593-1**
Certificate No: **TAS00000HK**

Marking of product

Each unit to be marked with:

- Safety marking according to Standard for Certification No. 2.7-3, May 2011, sec. 6 including
 - Operational Class Identification
 - "OPERATIONAL RESTRICTIONS"
 - **Max. weight of cable/umbilical must be kept less than 21.500 kg**
- Data plates according to Standard for Certification No. 2.7-3, May 2011, sec. 6
- VL mark to be hard stamped on frame
- Manufacturer's Serial Number to be welded on frame
- DNV emblem for Portable Offshore Units (not mandatory)

Periodical assessment

Periodical assessment to be carried out at intervals not exceeding 12 months and after substantial repair or alteration according to Standard for Certification No. 2.7-3, May 2011.

END OF CERTIFICATE