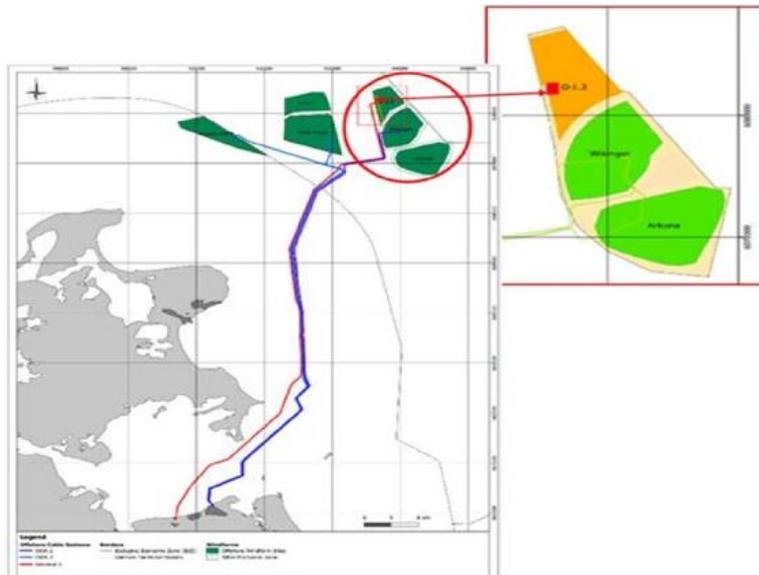


# CA Verification – Design Appraisal M4360 - Oil & Water Separator

Ostwind 3 Offshore platform

Employer: 50 Hertz Offshore GmbH  
Employer Ref: OW3-HSI-OE-PWZ-QR-018919  
Contractor Ref: OW3-210133-M4360-C37-001  
Revision: 00  
Date: 29-03-2024





Title document: CA Verification – Design Appraisal M4360 - Oil & Water Separator

Subtitle document: Ostwind 3 Offshore platform

Employer Ref: OW3-HSI-OE-PWZ-QR-018919

Contractor Ref: OW3-210133-M4360-C37-001

Revision: 00

Date: 29-03-2024

Employer: 50 Hertz Offshore GmbH

Project N° Employer: 4501636906

Permit Section: EEZ

Designation system code:

Revision	Date	Status	Author(s)	Checked	Approved
00	29-03-2024	IFC	M. van den Heuvel		N.Hoogeveen

#### Status

P	Preliminary Issue	IDC	Inter Discipline Check	SD	Standard Document
IFC	Issue for Comments	IFT	Issue for Tender	AR	As Requested
IFA	Issue for Approval	IFE	Issue for Enquiry	MI	Marked-ups to be Incorporated
AFD	Approved for Design	IFP	Issue for Purchase	FL	Final
AFC	Approved for Construction	IFI	Issue for Information	O	Other



# CA Verification – Design Appraisal

## M4360 Oil & Water Separator

Ostwind 3 Offshore platforms

Document number vendor: CVE2302275\_Design Verification Report  
Document VDRL code: C37  
Document Number IV: OW3-210133-M4360-C37-001  
Document Revision: 00  
Document Date: 15-03-2024  
Designation System Code : OW3-X-XM21-HQA01

DOCUMENT REVIEW STATUS			
<b>Signature / Date:</b>			
A	REVIEWED	NO COMMENTS	WORK MAY PROCEED
B	REVIEWED AS NOTED	FULLY INCORPORATE ALL COMMENTS AND RE-SUBMIT FOR REVIEW	WORK MAY PROCEED
C	REJECTED	FULLY INCORPORATE ALL COMMENTS AND RE-SUBMIT FOR REVIEW	WORK MAY NOT PROCEED
D	FOR INFORMATION ONLY	FOR INFORMATION ONLY	WORK MAY PROCEED



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Section Offshore, Mid-  
Downstream, Southern Europe  
DNV Energy Systems  
28-34 rue du Château des  
Rentiers, 75013, Paris

**Date:** 2024-02-20      **Our reference:** 10384166-OSTWIND3      **Your reference:** P2210811

**Design Verification Letter no. DVL-10384166-OSTWIND3 Rev 0**

This is to verify that the design of:

**Oil/Water Separator (type IHDCSP06)**

has been reviewed and found to comply with:

[1] EN 858-1/2 (2002)

**1 DESIGN CONDITIONS**

<b>Parameter</b>	<b>Value</b>
Class	I
Nominal Size	6
Design pressure	Atmospheric – Full of water
Design temperature	+2°C/ +40°C
Maximum flow	9 m <sup>3</sup> /h
Sludge trap volume	600 L
Oil storage capacity	600 L

## 2 REVIEWED DOCUMENTATION

Document No.	Rev.	Description
IMP_cve2302275_01G	G	General Arrangement Drawing
OW3-210133-M4360-G12-001	00	Welding Procedures
OW3-210133-M4360-G17-001	00	Painting and Surface Preparation Procedure
OW3-210133-M4360-Q02-001	02	FAT Procedure
CVE2302275	A	Design Calculation
OW3-210133-M4360-E01-001	01	Electrical Wiring Diagram
OW3-210133-M4360-G09-001	B	Nameplate Drawing
OW3-210133-M4360-G20-001	00	Hydrostatic Testing Procedure
OW3-210133-M4360-G03-001	01	Vendor Equipment Datasheets
OW3-210133-M4360-Q01-00	01	Quality Plan
OW3-210133-M4360-Q02-001	02	Inspection and Test Plan

## 3 COMMENTS

1. Ref. OW3-210133-M4360-G12-001, WPS S8 (page 18/80) indicates a wall thickness of 20mm for stainless steel base material. This dimension is not covered by the WPQR EN NO 17-0647 (validity range from 3mm to 6.76mm for stainless steel). The related connection performed with weld S8 is not subject to pressure and does not contribute to mechanical resistance of the equipment, therefore minor deviation upon the weld qualification is acceptable in this case.

Sincerely  
for DNV France SARL



Chen,  
David

Digitally signed  
by Chen, David  
Date:  
2024.02.23  
12:37:43  
+01'00'

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Verified by: Georgios Mandrekas

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