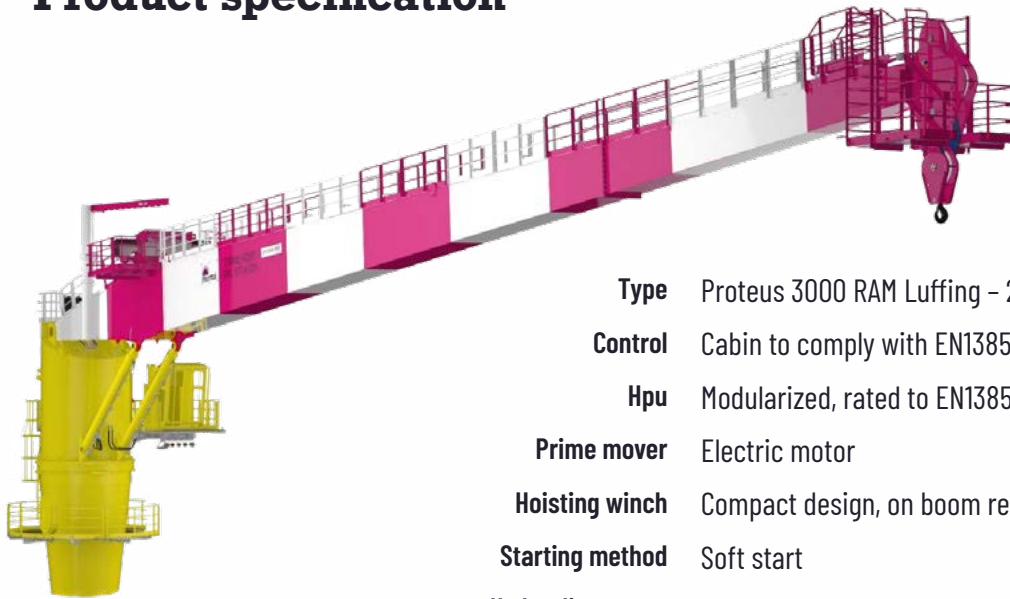


# OSS Platform Crane 3.0

## Product specification



<b>Type</b>	Proteus 3000 RAM Luffing – 2 hydraulic cylinders
<b>Control</b>	Cabin to comply with EN13852-1, optional radio
<b>Hpu</b>	Modularized, rated to EN13852-1, inside slewing column
<b>Prime mover</b>	Electric motor
<b>Hoisting winch</b>	Compact design, on boom rear part
<b>Starting method</b>	Soft start
<b>Hydraulic system</b>	Closed loop
<b>EOS</b>	To comply with EN13852-1

## Standards & certifications

### Standards

EN13852-1	General Purpose Offshore Cranes
DNVGL-ST-0378	Offshore & Platform Lifting Appl
DGUV-52	Krane
DGUV-54	Winden, Hub-und Zuggeraete
BetrSichV	Betriebssicherkeitsverordnung
2006/42/EC	European Machinery Directive
2006/95/EC	Low Voltage Directive
2014/30/EU	Electromagnetic Compability Directive

### 3rd Party certification (on request)

Design Approval	During crane design, prior to fabrication start
Fabrication Follow-up	During manufacturing and testing phase
HAT	After crane installation onboard sub-station



# Environment

## Corrosion protection

Corrosivity category	CX-H EN12944-2
Paint system	3-layer system
TDFT	415microns
Standard	EN12944, NORSOK M-501
Hot dip galvanisation	Handrails, ladders acc. to EN1461
Paint supplier	Jotun
RAL colour	See separate sheet
RAL colour code chart	See separate sheet

## Environmental data

Ambient temperature	-20/+45 degrees C
Relative humidity	96%
Operational wind speed	25 m/s
Significant wave height	Up to 3,0m

# Safety, service & maintenance

## Safety systems

Anti collision	Slewing and luffing
AOPS	Automatic Overload Protection System
MOPS	Manual Overload Protection System
CT	Constant Tension
Slack rope detection	On hoisting winch
Hook block parking	PLC monitored
Aircraft obstructions	SOLF Teil 5 Kennzeichnung von Luftfahrthindernissen

## Service & maintenance

### 12 months service intervals

Remote access	PLC monitored crane status
Remote control	Mechanisms movements from onshore base

# Scope of supply

## Scope of supply

Pedestal adapter	Height project depending
Circular Service Platform	Size project depending
Pedestal crane	Design, procurement, fabrication, testing
Boom rest fork support	Design review
Electrical interface	Slip ring inside pedestal adapter
Spare parts	Commissioning & operational
Training	Crane operators & service
User manual	English, German, others (on customer request)
Quality documentation	English
After sales service	Service agreement

# Technical data

## Main data

Lifting Load	30T
Outreach min-max	5,0 - 45,0m
HPU	230kW
Hoisting Speed	28m/min
Luffing Time	140s
Slewing Speed	0,6rpm
Slew Bearing	3000mm
Load Chart	20T@25m onboard lift; 10T@45m, Hsig=2,5m offboard lift
Weight	97t crane (dry); 16t pedestal adapter

## Control system

PLC	Siemens 1500F (safety)
Touchpanel	In operator cabin

## Remote access & control

Communication with OSS platform    Profinet by Siemens protocol

## Hydraulic system

E-motor	190kW-S1; 230kW-S6 (40%)
Main pump	3-off Axial piston type
Aux pump	4-off Axial piston & gear type
Max system pressure	330bar
Max flow	360l/min
Hydraulic oil	Biodegradable type
Tank	Integrated in slewing column
Oil cooling/heating	Temperature monitoring system

## Outfitting

CCTV	2-off, on boom tip and hoisting winch
Tagging & labelling	To comply with project requirements
Walking area lighting	Outside and inside
Telecommunication	Telephone, VHF, UHF
Aircraft warning lighting	4-off, along boom
Fire fighting	DNVGL-0145/NPEA Regulations
Slew bearing central greasing	Yes
Service davit for hoisting winch	SWL 1,5t
Slew bearing jacking points	Yes
Manriding	DGUV-52
Shock absorber	Yes
Lightning protection	Yes

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the next step?**

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website



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