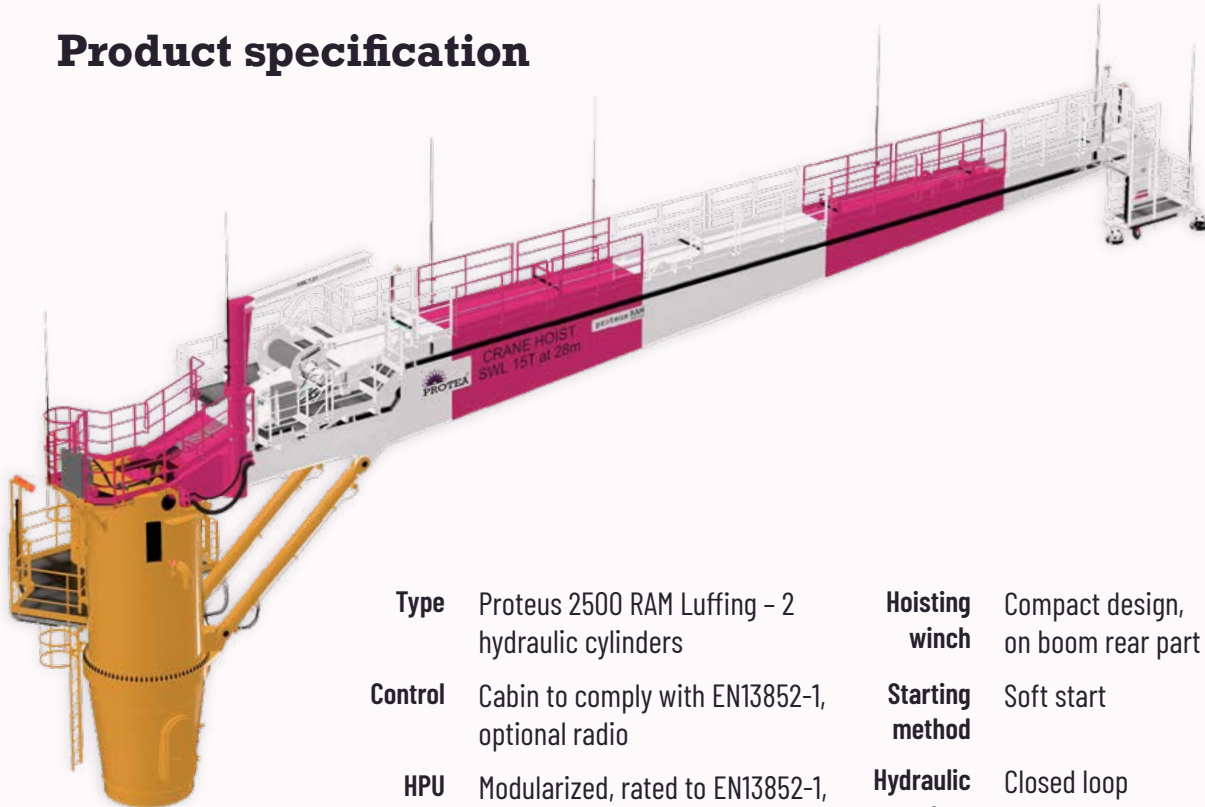


OSS Platform Crane 2.5

Product specification



Type	Proteus 2500 RAM Luffing – 2 hydraulic cylinders	Hoisting winch	Compact design, on boom rear part
Control	Cabin to comply with EN13852-1, optional radio	Starting method	Soft start
HPU	Modularized, rated to EN13852-1, inside slewing column	Hydraulic system	Closed loop
Prime mover	Electric motor	EOS	To comply with EN13852-1

Standards & certifications

Standards

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



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
Aircraft obstructions	SOLF Teil 5 Kennzeichnung von Luftfahrthindernissen
Paint supplier	Jotun
RAL colour code chart	See separate sheet

Environmental data

Ambient temperature	-20/+45 degrees C
Relative humidity	96%
Operational wind speed	25m/s
Significant wave height	Up to 2,0m

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

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	20T
Outreach min-max	7,0 - 35,0m
HPU	160kW
Hoisting Speed	28m/min
Luffing Time	100s
Slewing Speed	0,7rpm
Slew Bearing	2500mm
Load Chart	20T@20m onboard lift; 5T@35m Hsig=2,0m offboard lift
Weight	62,0t crane (dry); 12,0t 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	132kW-S1; 160kW-S6(40%)
Main pump	3-off Axial piston type
Aux pump	4-off Axial piston & gear type
Max system pressure	330bar
Max flow	250l/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

**Would you like to take
the next step?**

*CLICK & SCHEDULE YOUR CALL
WITH OUR EXPERT* 

website



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