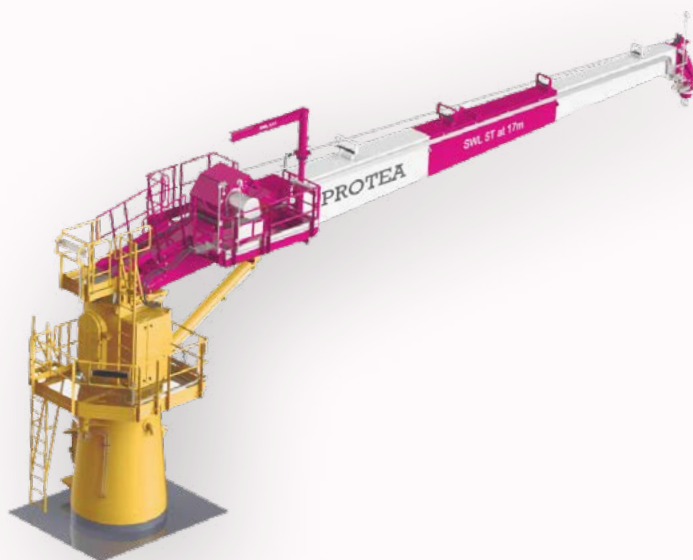


OSS Platform Crane 1.6

Product specification



Type	Proteus 1600 RAM Luffing
Control	Wireless radio remote
HPU	Modularized, rated to EN13852-3, inside slewing column
Prime Mover	Electric motor
Hoisting Winch	Compact design, on boom rear part
Starting method	Soft start
Hydraulic system	Open loop

Standards & certifications

Standards

EN13852-1	General Purpose Offshore Cranes
DNVGL-ST-0378	Offshore & Platform Lifting Appliances
API SPECIFICATION 2C	Specification for offshore pedestal mounted cranes, 8th edition
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 on substation



Environment

Environmental data

Ambient temperature	-20/+45 ° C
Relative humidity	100%
Operational wind speed	25m/s
Significant wave height	Up to 2,5m

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 code chart	See separate sheet

Safety, service & maintenance

Safety systems

Anti collision	Slewing and luffing
AOPS	Automatic Overload Protection System
MOPS / ELL	Manual Overload Protection System / Emergency Load lowering
CT	Constant Tension
Slack rope detection	On hoisting winch
Hook block parking	PLC monitored
SCADA Signals	Compatible with platform main SCADA System

Service & maintenance

12 months service intervals	
Remote access	PLC monitored crane status
Remote control	Mechanisms movements from onshore base
Automatic lubrication system	Slew bearing
RDS-PP	Tagging system

Scope of supply

Pedestal adapter	Height depends on project
Circular Service Platform	Size depends on project
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	6T
Outreach min-max	4,0 - 22,0m
Hoisting Speed	28m/min
Luffing Time	90s
Slewing Speed	1rpm
Slew Bearing	1600mm
Weight	29,5t crane (dry);

Control system

PLC	Siemens 1500F (safety)
Wireless remote	Radio remote control

Remote access & control

Communication with OSS platform	Profinet by Siemens protocol
---------------------------------	------------------------------



Service & maintenance

CCTV	2-off, on boom tip and hoisting winch
Tagging & labelling	To comply with project requirements / RDSS-PP
Walking area lighting	Outside and inside
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
Lightning protection	Yes

Hydraulic system

E-motor	65kW-S1; 80kW-S6(40%)
Main pump	1-off Axial piston type
Aux pump	2-off Axial piston & gear type
Max system pressure	350bar
Max flow	200l/min
Hydraulic oil	Biodegradable type
Tank	Integrated in slewing column
Oil cooling/heating	Temperature monitoring system

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

CLICK & SCHEDULE YOUR CALL
WITH OUR EXPERT 

website



Protea S.A.
Galaktyczna 30A
80-299 Gdansk,
Poland

+48 58 348 00 04
protea@protea.pl
www.protea.pl