

# OSS Service Crane

## Product specification



<b>TYPE</b>	Service crane / Davit crane / Boat landing crane
<b>CONTROL</b>	Wireless remote controller or Pendant controller
<b>PRIME MOVER</b>	Electric motor
<b>HOISTING WINCH</b>	Compact design
<b>STARTING METHOD</b>	Soft start
<b>EOS</b>	ELL (Emergency Load Lowering) to comply with EN13852-3

## Standards & certifications

### Standards

EN13852-3	Light 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



### 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

### Environmental data

Ambient temperature	-10/+35 °C
Relative humidity	96%
Operational wind speed	15m/s to comply with EN13852-3
Significant wave height	Up to 2,0m

### Corrosion protection

Corrosivity category	CX-H EN12944-2
Paint system	3-layer system
TDFT	300microns
Standard	EN12944, NORSOK M-501
Hot dip galvanisation	Boom and column
Paint supplier	Jotun
RAL colour code chart	See separate sheet

## Safety, service & maintenance

### Safety systems

AOPS	Automatic Overload Protection System
MOPS	Manual Overload Protection System
ELL	Emergency Load Lowering
Lifting lug	For emergency personel descent

## Service & maintenance

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### 12 months service intervals

Remote access	Optional, PLC monitored crane status
Remote control	Mechanisms movements

## Scope of supply

Pedestal adapter	Additional flange for bolting
Service crane	Design, procurement, fabrication, testing
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

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Lifting Load	from 1 up to 3T
Outreach min-max	2,5-8m
Hoisting Speed (High)	21m/min
Hoisting Speed (Low)	10m/min
SWH (Offboard lifts)	2m
Slewing Speed	0,5 rpm
Slewing range	340 °
Lifting height	up to 35m
Weight	2100 kg

## Control system

PLC	Siemens 1200 (Safety)
Touchpanel	In crane cabinet

## Remote access & control

Communication with OSS platform	Profinet by Siemens protocol or equivalent
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## Outfitting

Tagging & labelling	To comply with project requirements
Walking area lighting	Floodlight at the boom horizontal part
Greasing point	Easily accessible
Service davit for winch hoisting	Removable, without winch
Pedestal adapter	Flange
Manriding	Emergency personnel descent via lifting lug

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