

Davit cranes for the offshore industry

Cranes built with experience

We supply davit cranes for offshore wind farms worldwide

3.050+ / 58+ Total pcs cranes Wind farms

Safely lifting the offshore industry to new heights

Seasight Davits is a trusted supplier of davit cranes for the offshore wind industry. We take pride in the ongoing development of our products as it allows us to provide our customers with intelligent and customized solutions. At Seasight Davits we handle the design, engineering, and product development in-house and we go out of our way to fulfill every requirement – without compromising on quality or safety.

Mission

We develop, sell and service cranes and lifting appliances for the offshore industry to the highest standards.

Vision

We will continue to be the benchmark and set the industry standard for our products.

Values

- Trustworthy
- Very satisfied customers
- Very satisfied employees
- Global in our approach





Plug and Play – Seasight Davits' trademark design

Our davit cranes differentiate because they have all key components installed inside the crane house. This is advantageous as the cranes are not disassembled after passing the FAT-tests and therefore still fully functionable when delivered. This means, the commissioning is done much faster and more cost-efficient. The cranes just need to be plugged in and powered up.

As a result, the installation is done easier, faster, and hence more cost efficient. And the commissioning can be postponed until the davit cranes are finally installed offshore and combined with the firstyear service.

With all key components in the crane house protecting them against the harsh offshore weather conditions, our cranes are more reliable, have better functions and are more economical.

Due to the double hoisting speed and storage of the remote control inside the crane, getting goods transported from and to the CTV is done much faster.





Titan - Fixed boom

Titan is our original and highly popular davit crane, among others due to its reliability, functionality, and practical design ensuring easy handling.

Outreach available from 3 to 5 meters and according to specifications. SWL available from 1 to 3 tons.



1 General information

1.1	Crane model	Titan
1.2	Crane type	Fixed boom
1.3	Design life (year)	35 years operation + 2 years during installation phase
1.4	Service interval	12 months +/- 1 month
1.5	Approvals/ Standards	EU Declaration of Conformity (CE marked) Machinery Directive 2006/42/EC Electromagnetic Compatibility (EMC) directive 2014/30/EU Low voltage Directive 2014/35/eu Surface protection: Corrositivity category CX (offshore) according to EN12944-9:2018 Paints and varnishes EN13852-3: Light offshore cranes EN1461:2022

2 Crane main dimensions

2.1	Outreach	Min:	3.000 mm	Max:	5.000 mm
2.2	Height	Max:	5.900 mm		
2.3	Hook max height above crane base	Max:	4.500 mm		
2.4	Hoisting height (horizontal hook to LAT)	Max:	32 meters		
2.5	Slewing han- dle height	Max:	1.200 mm		
2.6	Pivot bar height (operation)	1800 - 3	2000 mm in r	elation	to interface height



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3 Technical specification

3.1	Max rated ca- pacity (SWL)	min:	1.000 kg	max:	3.000 kg
3.2	Hoisting type	Electrica	I		
3.3	Hoisting speed	Speed 1:	10 m/min	Speed 2:	40 - 20 m/min
3.4	Slewing type	Manual o	or Electrical		

4 Electrical

4.1	Main power supply	3x400VAC + N 50/60Hz.
4.2	Power consumption (full load)	Approx. 6 kW.
4.3	Protection	3x13A circuit breaker

5 Environments

5.1	Max/min ambient temperature	Min:	-20°C	Max:	+45°C
5.2	Max Wind velocity (gust)	Operation:	15 m/sec	Stored:	63 m/sec
5.3	Max wave height (Hs)	Operation:		Up to 2.0 (dependin	meters g on SWL)

6	6 Corrosion protection						
6.1	Standard reference	EN12944-9					
6.2	Coating system	Inside:	C3	Outside:	сх		
6.3	Main color	RAL 7035					

Options - TITAN

	Alarms via I/O interface incl. 1 alarm point	Choose to monitor up to four different actions on the crane via I/O alarms. If one of the monitored components/functions fails, the system will trigger an alarm which is connected to an I/O connection board. This also makes it possible to monitor if the cranes are ready for operation before entering the Platform. Additional alarms can be procured.
*	CEE plug for genset operation	An extra power socket makes it possible to power up the crane from a generator on the vessel. This also allows use of the davit crane in the construction phase or in case of power outage during service campaigns. The socket will have an IP-rating of IP67 and will be located inside the crane house.
	Colours choice	Colours other than standard RAL7035 (light grey) can be chosen.
8	Counterweight with red bumper or painted in bright yellow or red colour	To improve visibility and reduce risk of damage.
	Electrical slewing	Reducing potential HSE consequence on the operator and making it possible to upgrade a Titan crane to man-riding option at a later date.
	Operation light for additional light in the work area	Equipping the davit crane with an operation light allows personnel to orientate themselves safely on the platform deck at night. The LED light is manufactured from CNC machined aluminium. The surface finish is black hard anodised 50my. Light output: 400 Lm
	OVP box Type II - Over voltage protection for the crane. Mounted in the wind turbine tower	Cabinet with surge arrester protection to protect the control circuit of the crane. The OVP box is placed in the tower.
	Step down transformer	An external transformer for the crane can be delivered with the crane if power supply is different from 3×400 VAC+N and this can be installed inside the wind turbine tower or outside on the transistion piece. The cabinet is IP66.
	Wireless remote control	Upgrade from wired to wireless remote control with IP66 class.
	3rd party approval	DNV design verification of crane model.

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Hercules – Luffing boom

Hercules offers a larger outreach than Titan which, with the hydraulic luffing system, can be used in various working ranges so it can be manoeuvred in the whole spectrum of the platform.

Outreach available from 6 to 10 meters and according to specifications. SWL available from 1 to 3 tons.



1	1 General information				
1.1	Crane model	Hercules			
1.2	Crane type	Hydraulic luffing			
1.3	Design life (year)	35 years operation + 2 years during installation phase			
1.4	Service interval	12 months +/- 1 month			
1.5	Approvals/ Standards	EU Declaration of Conformity (CE marked) Machinery Directive 2006/42/EC Electromagnetic Compatibility (EMC) directive 2014/30/EU Low voltage Directive 2014/35/eu Surface protection: Corrositivity category CX (offshore) according to EN12944- 9:2018 Paints and varnishes EN13852-3: Light offshore cranes EN1461:2022			

2 Crane main dimensions

2.1	Outreach	Min:	2.000 mm	Max:	10.000 mm
2.2	Height (Opera- tional position)	Min:	3.200 mm	Max:	12.000 mm
2.3	Height (Stored position)	Max:	3.200 mm		
2.4	Height hook (Service position)	Max:	1.200 mm		
2.5	Hook max height above crane base	Min:	1.700 mm	Max:	11.000 mm
2.6	Hoisting height (horizontal hook to LAT)	Max:	44 meters		
2.7	Total crane weight	Min:	4.000 kg	Max:	5.000 kg



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3	3 Technical specification					
3.1	Max rated capaci- ty (SWL)	min:	1.000 kg	max:	3.000 kg	
3.2	Hoisting type	Electrical				
3.3	Hoisting speed	Speed 1:	10 m/ min	Speed 2:	40 - 20 m/min	
3.4	Slewing type	Electrical				
3.7	Luffering Type	Hydraulic				

4 Electrical

4.1	Main power supply	3x400VAC + N 50/60Hz.
4.2	Power consumption	Approx. 18 kW.

Approx. 18 kW. (full load) 4.3 Protection

3x32A circuit breaker

5 Environments

5.1	Max/min ambient temperature	Min:	-20°C	Max:	+45°C
5.2	Max Wind velocity (gust)	Operation:	15 m/ sec	Stored:	63 m/sec
5.3	Max wave height (Hs)	Operation:		Up to 2. (depend SWL)	0 meters ling on

6 Corrosion protection

6.1	Standard reference	EN12944-9
6.2	Coating system	Inside: C3 Outside: CX
6.3	Main color	RAL 7035
6.4	Galvanised items	All structured steel components

Options - HERCULES		
	Alarms via I/O interface incl. 1 alarm point	Choose to monitor up to four different actions on the crane via I/O alarms. If one of the monitored components/functions fails, the system will trigger an alarm which is connected to an I/O connection board. This also makes it possible to monitor if the cranes are ready for operation before entering the Platform. Additional alarms can be procured.
*	CEE plug for genset operation	An extra power socket makes it possible to power up the crane from a generator on the vessel. This also allows use of the davit crane in the construction phase or in case of power outage during service campaigns. The socket will have an IP-rating of IP67 and will be located inside the crane house.
8	Counterweight with red bumper or painted in bright yellow or red colour	To improve visibility and reduce risk of damage.
	Colours choice	Colours other than standard RAL7035 (light grey) can be chosen.
	Dead zones	Dead zones can be set according to the obstacles on each specific TP, a maximum luffering height and maximum slewing angle during offshore commissioning. It is possible to program up to seven dead zones. The limitation is controlled by an encoder on the slewing gear for rotation movement and via a tilt sensor for the luffing movement.
	Operation light for additional light in the work area	Equipping the davit crane with an operation light allows personnel to orientate themselves safely on the platform deck at night. The LED light is manufactured from CNC machined aluminium. The surface finish is black hard anodised 50my. Light output: 400 Lm
	OVP box Type II - Over voltage protection for the crane. Mounted in the wind turbine tower	Cabinet with surge arrester protection to protect the control circuit of the crane. The OVP box is placed in the tower.
	Step down transformer	An external transformer for the crane can be delivered with the crane if power supply is different from 3×400 VAC+N and this can be installed inside the wind turbine tower or outside on the transistion piece. The cabinet is IP66.
	Wireless remote control	Upgrade from wired to wireless remote control with IP66 class.
	3rd party approval	DNV design verification of crane model.

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Spider – For crew and cargo

With Spider, technicians no longer need to climb the boat landing ladders to enter the transitions pieces (TPs), nor is it necessary to equip the TPs with separate lifting systems for personnel and cargo.

1 General information

1.1	Crane model	Spider
1.2	Crane type	Man-riding with fixed boom
1.3	Design life (year)	35 years operation + 2 years during installation phase
1.4	Service interval	12 months +/- 1 month
1.5	Approvals/ Standards	EU Declaration of Conformity (CE marked) Machinery Directive 2006/42/EC Electromagnetic Compatibility (EMC) direc- tive 2014/30/EU Low voltage Directive 2014/35/eu Surface protection: Corrositivity category CX (offshore) according to EN12944-9:2018 Paints and varnishes EN13852-3: Light offshore cranes

2 Crane main dimensions

2.1	Outreach	Min:	3.000 mm	Max:	5.000 mm
2.2	Height	Max:	5.900 mm		
2.3	Hook max height above crane base	Max:	4.500 mm		
2.4	Hoisting height (horizontal hook to LAT)	Max:	32 meters		
2.5	Slewing handle height	Max:	1.200 mm		
2.6	Pivot bar height (operation)	1800 - height	2000 mm in r	elation 1	o interface
2.7	Total crane weight	Min:	1.800 kg	Max:	2.300 kg

3 Technical specification

3.1	Max rated capacity normal operation (SWL)	min:	1.000 kg	max:	3.000 kg
3.2	Max rated capacity man-riding (SWL)	max:	550) kg	
3.3	Hoisting type	Electrica	al		
3.4	Hoisting speed	Speed 1:	10 m/ min	Speed 2:	40 - 20 m/min
3.5	Slewing type	Electrica	al		
3.6	Electrical slewing stop	Encode	r set points	5	

Yes

3.7 Centrifugal brake



4	4 Electrical			
4.1	Main power supply	3x400VAC + N 50/60Hz.		
4.2	Power consumption (full load)	Approx. 18 kW.		
4.3	Service form	S3-15% ED		

5 Environments

5.1	max/min ambient temperature	Min:	-20°C	Max:	+45°C
5.2	Max Wind velocity (gust)	Operation: Man-riding:	15 m/sec 10 m/sec	Stored:	63 m/sec
5.3	Max wave height (Hs)	Operation:	Up to 2.0 m	Man- riding:	Up to 2.0 m

6 Corrosion protection

6.1	Standard reference	EN12944-9
6.2	Coating system	Inside: C3 Outside: CX
6.3	Main color	RAL 7035
6.4	Galvanised items	All structured steel components

7 Special designed Man-riding basket

7.1	Two-person lift	Yes
7.2	Suspended seats	Yes
7.3	Floating and selfrightning	Yes
7.4	Safety seatbelt	Yes
7.5	Preparred for emergency descent	Yes
7.6	Impact tested	Yes

Options -SPID	ER	
	Alarms via I/O interface incl. 1 alarm point	Choose to monitor up to four different actions on the crane via I/O alarms. If one of the monitored components/functions fails, the system will trigger an alarm which is connected to an I/O connection board. This also makes it possible to monitor if the cranes are ready for operation before entering the Platform. Additional alarms can be procured.
	CEE plug for genset operation	An extra power socket makes it possible to power up the crane from a generator on the vessel. This also allows use of the davit crane in the construction phase or in case of power outage during service campaigns. The socket will have an IP-rating of IP67 and will be located inside the crane house.
	Colours choice	Colours other than standard RAL7035 (light grey) can be chosen.
8	Counterweight with red bumper or painted in bright yellow or red colour	To improve visibility and reduce risk of damage.
3	Operation light for additional light in the work area	Equipping the davit crane with an operation light allows personnel to orientate themselves safely on the platform deck at night. The LED light is manufactured from CNC machined aluminium. The surface finish is black hard anodised 50my. Light output: 400 Lm
S	Back up system	Equipping the davit crane with an operation light allows personnel to orientate themselves safely on the platform deck at night. The LED light is manufactured from CNC machined aluminium. The surface finish is black hard anodised 50my. Light output: 400 Lm
	OVP box Type II - Over voltage protection for the crane. Mounted in the wind turbine tower	Cabinet with surge arrester protection to protect the control circuit of the crane. The OVP box is placed in the tower.
	Step down transformer	An external transformer for the crane can be delivered with the crane if power supply is different from 3×400 VAC+N and this can be installed inside the wind turbine tower or outside on the transistion piece. The cabinet is IP66.
	3rd party approval	DNV design verification of crane model.

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Scorpion – increasing the lifting capacity of davit cranes to 3 tons

Scorpion is the economic as well as effective solution to having the davit cranes lifting 3 tons. It is easily transferred on the CTV with the personnel and mounted onto the special designed davit cranes increasing their lifting capacity to 3 tons, typically from a lifting capacity of 1 ton.

And as one Scorpion per wind farm is sufficient, the procurement costs are substantially lower compared with procuring larger cranes with an individual lifting capacity of 3 tons; especially as this is rarely needed.

Scorpion is compatible with special designed Titan and Hercules cranes within specific outreaches.

Together with Scorpion, a starter cabinet will be supplied including power supply cable, CEE plug and remote control.

1 General	information
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1.1	Crane model	Scorpion
1.2	Crane type	Lifting unit
1.3	Design life (year)	35 years
1.4	Service interval	12 months +/- 1 month
1.5	Approvals/ Standards	EU Declaration of Conformity (CE marked) Machinery Directive 2006/42/EC Electromagnetic Compatibility (EMC) directive 2014/30/EU Low voltage Directive 2014/35/eu Surface protection: Corrositivity category CX (offshore) according to EN12944-9:2018 Paints and varnishes EN13852-3: Light offshore cranes EN1461:2022

2 Main dimensions

2.1	Height	Max:	1.400 mm
2.2	Length	Max:	5.000 mm
2.3	Width	Max:	2.000 mm
2.4	Total weight	Max:	950 kg



3 Technical specification

3.1	Max rated capacity (SWL)	Max	3.000 kg		
3.2	Hoisting type	Electrica	al		
3.3	Hoisting speed	Speed 1:	7.5 m/ min	Speed 2:	30 - 15 m/min
3.4	Centrifugal brake	Yes			
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4 Electrical

4.1	Main power supply	3x400VAC + N 50/60Hz
4.2	Power consumption (full load)	Approx. 11 kW.
4.3	Protection	3x32A circuit breaker

5 Environments

5.1	max/min ambient temperature	Min:	-20°C	Max:	+45°C
5.2	Max Wind velocity	Operation:	15 m/sec		
5.3	Max wave height (Hs)	Operation:		Up to 2	1.0 meters

6 Corrosion protection

6.1	Standard reference	EN12944-9	
6.2	Coating system	Outside: 0	CX

6.3 Main color RAL 1003



Service Agreements - Your choice, our service

Seasight Davits offers service agreements on three different levels leaving it up to our customers. which meets their requirements better.

SUPREME

SUPREME



E-learning

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- **Operator Instructor Training**
- Basic repair & troubleshooting

SUPREME

- **Fixed prices**
- Fixed annual price per crane
- Weather down-time included Pre-service notification/reminder

Availability and response time

- Technical phone support 24/7/365
- 14 days notice for scheduled service
- 2 working days for unscheduled service

Spare parts

- Site specific spare parts on stock
- Spare parts for 5-year service

Additional 5% discount on training

- **Operator Training**
- E-learning
- **Operator Instructor Training**
- Basic repair & troubleshooting

SUPREME

SEASIGE

- - **Operator Instructor Training**
 - Basic repair & troubleshooting

Conventient service

The davit cranes are an important part of an offshore windfarm and it is legally required to have the davit cranes serviced annually to ensure they are fully functional and safe for the technicians to use.

Our team of trained technicians are experts in davit cranes and are, hence, capable of servicing and repairing the davit cranes to the highest standard and do faster troubleshooting, which has great positive impact on offshore projects.

The technicians have GWO and other certificates according to local regulations, as well as personnel safety equipment.

Seasight Davits Training Academy

Seasight Davits offers comprehensive training options for safe and effective operation of our davit systems. Our experienced instructors provide training at our dedicated facilities in Denmark and the UK.



OVERVIEW OF TRAINING LEVELS

Level 1 – Crane Operator

Objective: The student can operate the crane hoisting cargo in a safe way.

Level 2 – Crane Instructor

Objective: The student can operate the crane hoisting cargo in a safe way. Additionally, they can instruct and endorse Level 1 trainees.

Level 3 – Service and Repair

Objective: The student can operate the crane hoisting cargo in a safe way. Additionally, they can conduct annual and 5-year service and basic trouble shooting.

Level 4 + 5 + 6 – Seasight Davits Technicians

Exclusive for Seasight Davits' Technicians: Level 4, 5 and 6 are exclusive for Seasight Davits' technicians and promises quality service with warranty.

E-learning

Crane Operator and Crane Operator Instructor training can also be done on-site with available practice-cranes. Keep in mind, this does not extend to Service and Repair training.



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Project	Country	No.	Project	Country	No.
Northwind	BE	73	Hollandse Kust Zuid I-II-III-IV (HKZ)	NL	143
Fe Camp	FR	1	Changfang / Xidao	TW	63
Humber Gateway	UK	73	St. Brieuc	FR	62
Kentish Flat Extension	UK	15	Kaskasi	DE	38
Burbo Bank Extension	UK	34	Cardon IV	VE	1
Luchterduinen	NL	43	Arcadis Ost 1	DE	27
Aberdeen	UK	11	Zhong Neng	TW	31
Arkona Becken	DE	60	Hollandse Kust Nord (HKN)	NL	69
Blyth	UK	5	South Fork Wind	US	12
Horns Rev 3	DK	49	Revolution Wind	US	65
Nobelwind	BE	50	Moho Nord Floating	CG	1
Walney Extension 03	UK	41	Vesterhav Nord & Syd	DK	41
Walney Extension 04	UK	49	Borkum Riffgrund 03 & Godewind 03	DE	108
Østerild Test project	DK	1	EolMed	FR	3
Deutsche Bucht	DE	31	Sunrise	US	80
Hohe See – Substation	DE	1	HeDreiht	DE	64
Norther	BE	44	Noirmoutier	FR	61
Northwester 2	BE	23	Taipower2A	TW	31
Mermaid	BE	58	Sofia	UK	100
SeaMade Substation	BE	2	Dominion	US	176
Borssele 1 + 2	NL	94	Greater Changua 2204	TW	66
Borssele 3 + 4 + 5	NL	79	Baltic Power	PL	76
Greater Changhua 1 + 2	TW	112	Empire Wind	US	54
Hornsea 2	UK	165	Thor	DK	73
Kriegers Flak	DK	72	Thor Substation	DK	2
TetraSpar	NO	1	Nordsee Cluster	DE	44
Formosa 2	TW	47	Hollandse Kust West VI	NL	52
St. Nazaire	FR	81	Hornsea	DK	192

We lift your expectations with our global availability

With headquarters and production facilities located in Denmark, and subsidiaries in the UK, Taiwan, and the US, our innovative and customizable solutions are available to customers worldwide. With the addition of partners in Japan and the US, we're able to provide even greater accessibility and support.

Experience the Seasight Davits for yourself – contact us today to learn more about our products and services, and see why we're the preferred choice for marine professionals around the world!

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