

A large white offshore wind turbine stands in the middle of a dark blue sea. A yellow and white service vessel is positioned at the base of the turbine's tower, appearing to be in the process of maintenance or installation. The water is choppy with small waves.

Davit cranes for the offshore industry

Cranes built with experience

We supply davit cranes for offshore wind farms worldwide

2.500+ / **50+**

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 functional 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 first-year 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.



1. Just plug...

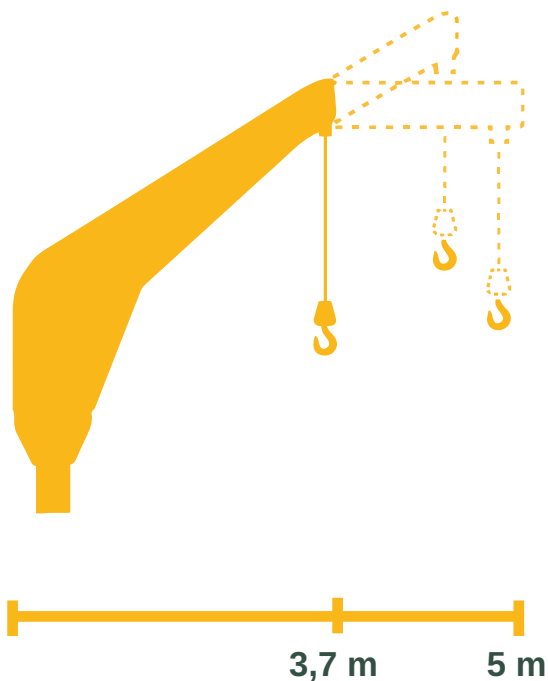
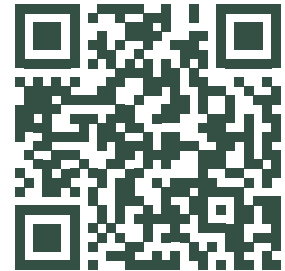


2. and play!

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. WLL 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)	25 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: Corrosivity category CX (offshore) according to EN12944-9:2018 Paints and varnishes EN-13852-3: 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:	40 meters		
2.5	Slewing handle height	Max:	1.200 mm		
2.6	Pivot bar height (operation)	1900 mm (adjustable)			

3 Technical specification

3.1	Max rated capacity (WLL)	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	Manual or Electrical			

4 Electrical

4.1	Main power supply	3X400VAC-50 Hz.			
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 meters (depending on WLL)		

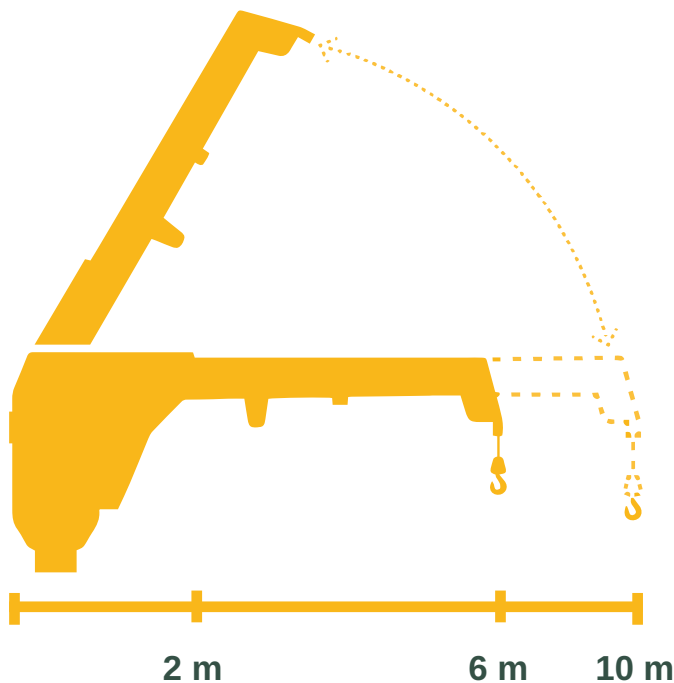
6 Corrosion protection

6.1	Standard reference	EN12944-9			
6.2	Coating system	Inside:	C3	Outside:	CX
6.3	Main color	RAL 7035			

Hercules – Luffing boom

Hercules is our newly risen and popular crane model. It offers a larger outreach than Titan which, with the hydraulic luffing system, can be used in various working ranges so it can be maneuvered in the whole spectrum of the platform.

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



1 General information

1.1	Crane model	Hercules
1.2	Crane type	Hydraulic luffing
1.3	Design life (year)	25 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: Corrosivity category CX (offshore) according to EN12944-9:2018 Paints and varnishes EN-13852-3: Light offshore cranes

2 Crane main dimensions

2.1	Outreach	Min:	2.000 mm	Max:	9.000 mm
2.2	Height (Operational 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	Max:	1.700 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

3 Technical specification

3.1	Max rated capacity (WLL)	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	Luffing Type	Hydraulic			
3.8	Luffing speed	1 stroke per 60 sec			

4 Electrical

4.1	Main power supply	3X400VAC-50 Hz.
4.2	Power consumption (full load)	Approx. 18 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 (gust)	Operation:	15 m/sec	Stored:	63 m/sec
5.3	Max wave height (Hs)	Operation:			Up to 2.0 meters (depending on WLL)

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			

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.

Designed with safety as the highest priority

Spider is based on our solid technology and proven design with all their advantages from the Titan-cranes and is further upgraded with e.g., electrical slew, UPS system and a secondary brake. The personnel is transferred in a basket designed and built to withstand impacts. And to increase the safety of the personnel, the basket is equipped with cameras connected to a wireless remote control with a display ensuring visual contact between the crane operator and the personnel, basket, and its surroundings.

Outreach 4 meters and according to specifications. WLL available from 1 to 3 tons.

1 General information

1.1	Crane model	Spider
1.2	Crane type	Man-riding with fixed boom
1.3	Design life (year)	25 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 EN-13852-3: 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)	1.900 mm	(adjustable)		
2.7	Total crane weight	Min:	1.800 kg	Max:	2.300 kg

3 Technical specification

3.1	Max rated capacity normal operation (WLL)	min:	1.000 kg	max:	3.000 kg
3.2	Max rated capacity man-riding (WLL)	max:	550 kg		
3.3	Hoisting type	Electrical			
3.4	Hoisting speed	Speed 1:	10 m/min	Speed 2:	40 - 20 m/min
3.5	Slewing type	Electrical			
3.6	Electrical slewing stop	Encoder set points			
3.7	Centrifugal brake	Yes			

4 Electrical

4.1	Main power supply	3X400VAC-50 Hz.
4.2	Power consumption (full load)	Approx. 18 kW.
4.3	Service form	S3-15% ED
4.4	Back up system	UPS system for emergency use, slewing and lowering to safe position

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
		Man-riding:	10 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	Prepared for emergency descent	Yes
7.6	Impact tested	Yes

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

1.1	Crane model	Scorpion
1.2	Crane type	Lifting unit
1.3	Design life (year)	25 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 EN-13852-3: Light offshore cranes

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 (WLL)	Max	3.000 kg	
3.2	Hoisting type	Electrical		
3.3	Hoisting speed	Speed 1:	7.5 m/min	Speed 2: 30 - 15 m/min
3.4	Centrifugal brake	Yes		

4 Electrical

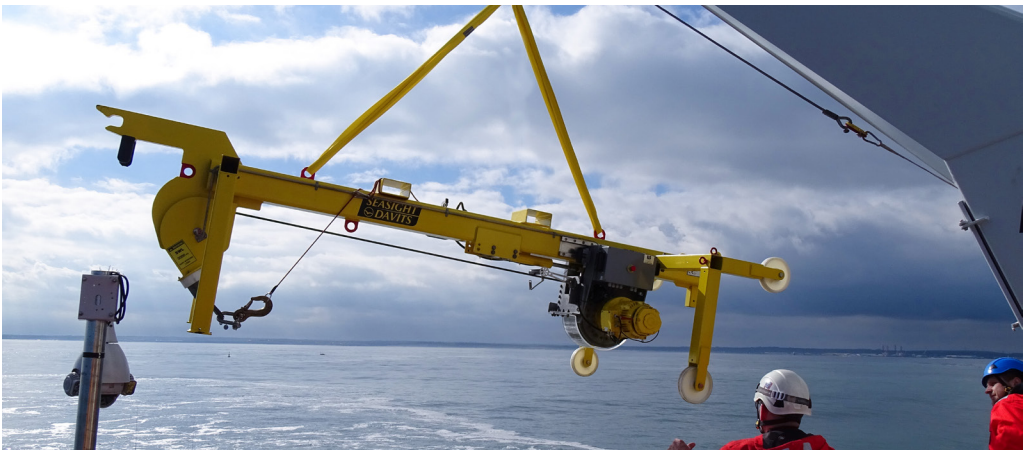
4.1	Main power supply	3X400VAC-50 Hz.
4.2	Power consumption (full load)	Approx. 11 kW.
4.3	Protection	3x32A circuit breaker

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 1.0 meters	

6 Corrosion protection

6.1	Standard reference	EN12844-5			
6.2	Coating system	C3M-High	C3	Outside:	CX
6.3	Main color	RAL 1003			
6.4	Galvanised items	All structured steel components			



Options Catalogue – the best solution for *your* safety

At Seasight Davits, our top priority is to ensure the highest level of customers satisfaction.

And we believe a combination of flexibility, product development, and good quality is our way forward to delivering the best possible solutions.

We welcome the opportunity to engage on the full range of options and possibilities for our cranes, and we're always eager to provide further information and details as needed as we are always more than happy to discuss and elaborate on the various options and possibilities for our cranes.

1 Spider options

1.1 Jib Light

The jib light makes it possible for the personnel to orientate themselves on the platform deck at night. The LED light is made of turned aluminum and the surface is black hard anodized 50my.

1.2 Power pulldown system

The Power Pulldown System permits pulling down a power supply cable to the vessel and supply the crane via generator. This can be used when the foundation is left without power during construction or as emergency power supply in case of black-out on the turbine. The UPS system can be integrated in the same cabinet.

1.3 UPS system supply for emergency slewing and lowering only

The UPS system makes it possible to slew the crane to a safe position and lower down the load in case of power black-out. These functions can be operated from the wireless remote.

2 Titan options

2.1 Jib Light

The jib light makes it possible for the personnel to orientate themselves on the platform deck at night. The LED light is made of turned aluminum and the surface is black hard anodized 50my.

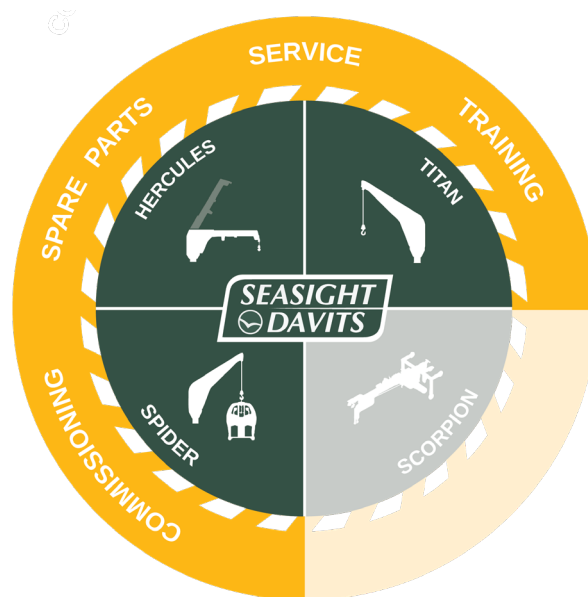
2.2 Electrical slewing

Upgrade from manual to electrical slewing to ensure easy handling of the crane. Especially recommended for outreaches of 4 meters or more.

3 Hercules options

3.1 Dead zones

Dead zones can be set on each specific TP during offshore commissioning. This prevents the crane operator from accidentally slewing the crane into any obstacles. It is possible to adjust up to 7 dead zones. The limitation is controlled by an encoder on the slewing gear for turning movement and via a tilt sensor for the luffing movement. Additionally, a maximum luffing height and maximum slewing angle are set.



4 Options for all crane models

4.1	Electronic crane book	All relevant data of the davit crane is saved on a USB memory stick. And a USB port is installed inside the starter cabinet ensuring easy access to e.g., CE Declaration, loose gear certificates, user manual, FAT report, commissioning report, take-in-use report, and service reports throughout the lifetime of the davit crane.
4.3	3. Party approval	<ul style="list-style-type: none"> • DNV-GL Design Verification of crane model. • DNV-GL Material Procurement according to DNVGL-ST-0378 and DNV-GL Production Survey. • DNV-GL Verification of surveying crane FATs. • 3.2 material certificates on slewing bearing.
4.4	Translation	Translation of the operation chapter in our crane manual to any language required.
4.5	Wireless control	Upgrade from wired to wireless remote control, IP66.
4.6	OVP Box (lightning protection)	Over Voltage Protection Box in TP or WTG to protect the power supply of the crane.
4.8	Power inlet with genset via CEE plug built in the crane	Additional power socket built in the crane so the davit crane can be connected to an external power supply, e.g., a generator, making it possible to use the davit crane in the construction phase before the TP is connected to the power grid. Socket will have an IP-rating of IP67 and placed inside the crane house including a safety switch with three positions; Off – Internal Supply – External Supply, to power up the crane.
4.7	Alarm monitoring system (SCADA)	An alarm/data logging system of detailed crane functions and offshore safety systems including monitoring of essential components and functions on the crane. If an alarm is triggered, it will be sent as an I/O signal. The various alarm and data logging information is accessible on the crane via PC, crane display or can be made accessible via ethernet connection to access the data and alarms remotely.
4.9	Alarms via I/O interface	Monitor up to 7 different areas on the crane via I/O alarms. If one component/function breaks down, the system triggers an alarm which can go to the I/O connection board. This makes it possible to monitor if cranes are operational before entering the platform.

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	BASIC +	BASIC
BASIC <ul style="list-style-type: none"> Scheduled Service <ul style="list-style-type: none"> • Ressource planning • RAMS according to SD standard • Site induction • Service according to OEM manual • Report of Thorough Examination of Equipment Support and project management <ul style="list-style-type: none"> • Status meetings • Clarification and follow up Unscheduled service <ul style="list-style-type: none"> • Troubleshooting • Repair work Tools & equipment <ul style="list-style-type: none"> • Standard tools • Special tools Real time access to status and progress <ul style="list-style-type: none"> • Access to site specific documents online • Daily progress reports • Access to user manual Up to 5 years extended warranty 	BASIC <ul style="list-style-type: none"> Scheduled Service <ul style="list-style-type: none"> • Ressource planning • RAMS according to SD standard • Site induction • Service according to OEM manual • Report of Thorough Examination of Equipment Support and project management <ul style="list-style-type: none"> • Status meetings • Clarification and follow up Unscheduled service <ul style="list-style-type: none"> • Troubleshooting • Repair work Tools & equipment <ul style="list-style-type: none"> • Standard tools • Special tools Real time access to status and progress <ul style="list-style-type: none"> • Access to site specific documents online • Daily progress reports • Access to user manual Up to 5 years extended warranty 	BASIC <ul style="list-style-type: none"> Scheduled Service <ul style="list-style-type: none"> • Ressource planning • RAMS according to SD standard • Site induction • Service according to OEM manual • Report of Thorough Examination of Equipment Support and project management <ul style="list-style-type: none"> • Status meetings • Clarification and follow up Unscheduled service <ul style="list-style-type: none"> • Troubleshooting • Repair work Tools & equipment <ul style="list-style-type: none"> • Standard tools • Special tools Real time access to status and progress <ul style="list-style-type: none"> • Access to site specific documents online • Daily progress reports • Access to user manual Up to 5 years extended warranty
BASIC + <ul style="list-style-type: none"> Tools & equipment <ul style="list-style-type: none"> • Service container on site • Waterbag Spare parts <ul style="list-style-type: none"> • Fast Track Delivery • Basic consumables for annual service 5% Discount on training <ul style="list-style-type: none"> • Operator Training • E-learning • Operator Instructor Training • Basic repair & troubleshooting 	BASIC + <ul style="list-style-type: none"> Tools & equipment <ul style="list-style-type: none"> • Service container on site • Waterbag Spare parts <ul style="list-style-type: none"> • Fast Track Delivery • Basic consumables for annual service 5% Discount on training <ul style="list-style-type: none"> • Operator Training • E-learning • Operator Instructor Training • Basic repair & troubleshooting 	
SUPREME <ul style="list-style-type: none"> Fixed prices <ul style="list-style-type: none"> • Fixed annual price per crane • Weather down-time included • Pre-service notification/reminder Availability and response time <ul style="list-style-type: none"> • Technical phone support 24/7/365 • 14 days notice for scheduled service • 2 working days for unscheduled service Spare parts <ul style="list-style-type: none"> • Site specific spare parts on stock • Spare parts for 5-year service Additional 5% discount on training <ul style="list-style-type: none"> • Operator Training • E-learning • Operator Instructor Training • Basic repair & troubleshooting 		

Convenient service

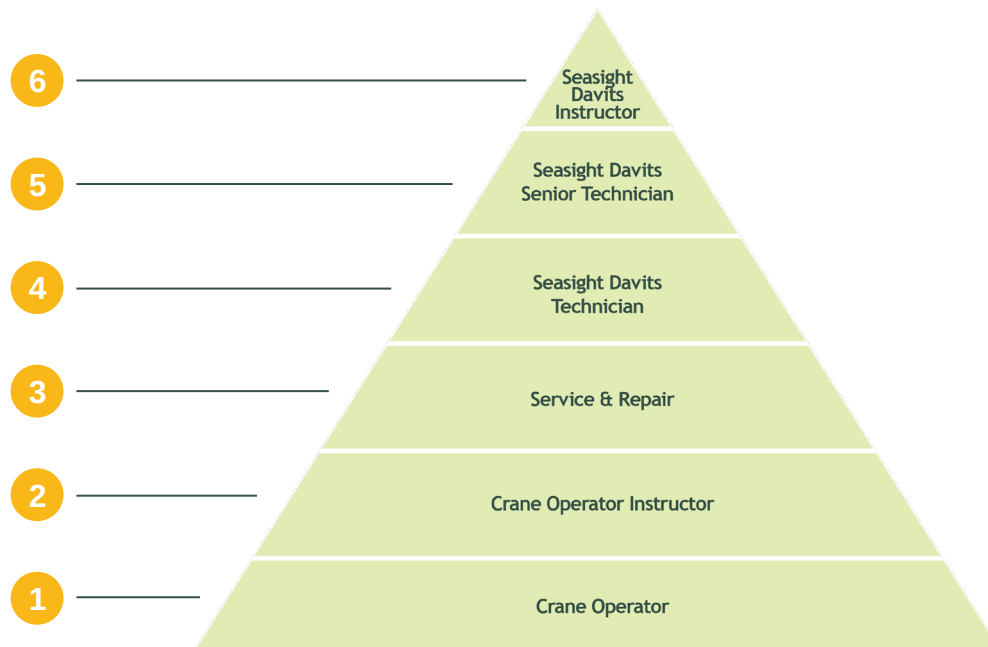
The davit cranes are an important part of an offshore windfarm and it is legally required to have the davit cranes serviced annually to ensure they are fully functional and safe for the technicians to use.

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.



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!

