

LNG Package for Mooring

Your total mooring solution for an LNG vessel



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Mooring requirements for LNG vessels are stringent and safety cannot be compromised. As the maritime industry moves towards safer mooring, we have prepared a total mooring solution package to meet this segment's needs.

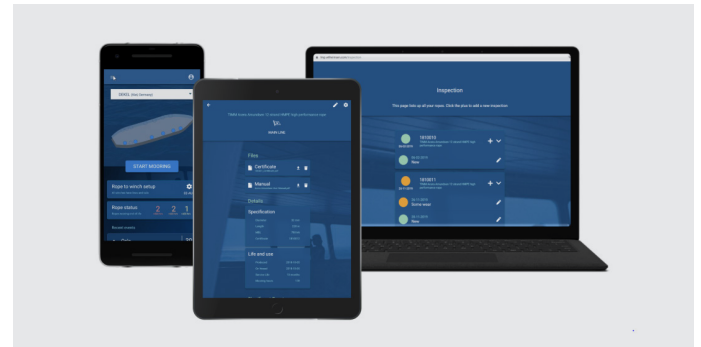
An integrated approach to safety and compliance - consisting of rope products, services and documentation.

This total-solution thinking and parts of this package were awarded the MPA International Safety@Sea Award in 2020 for demonstrating innovation in technology/systems and design/training for safety at sea within the maritime industry and demonstrating substantive safety-related contributions recognized by the maritime industry.



Ropes with SBA

Our Acera HMPE main line and stretcher, equipped with our revolutionary **Snap Back Arrestor (SBA)** that reduces the risk of snap back if the rope breaks. SBA *improves safety conditions* for your crew during mooring.



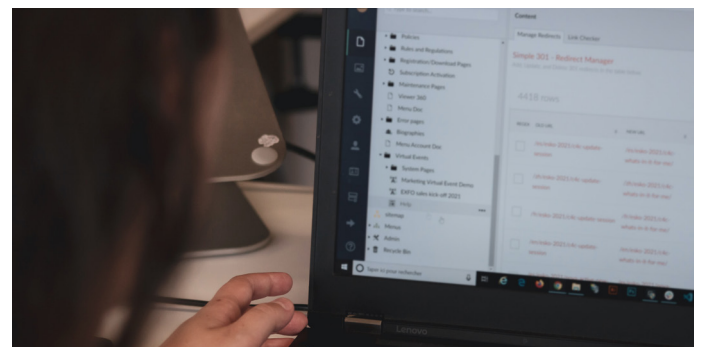
Innovation

Includes our Line Management Plan - an application to make rope management hassle-free.



Technical Services

The services in the LNG Package will ensure that your ropes are installed, used, maintained, and retired according to proper standards and ensure cooperation between the vessel and the manufacturer. All of this will contribute to *prolonged lifetime of the ropes*.







Documentation support

Proper documentation and the possibility to have all required documents and information easily available will contribute to *seamless vetting inspections*.

LNG Package

What's inside

What you're getting

 Acera HMPE with SBA ropes	<ul style="list-style-type: none">✓ Rope✓ Stretcher with pick-up line✓ Pig tail✓ Chafe guard
 Line Management Plan	<ul style="list-style-type: none">✓ Application that makes rope management hassle-free✓ 1-year subscription plan
 Technical services	<ul style="list-style-type: none">✓ Rope testing✓ Rope inspection✓ Experts to provide support on calls and emails
 Documentation support	<ul style="list-style-type: none">✓ MEG4 certification✓ Installation Manual, Use and Care Manual

Product		Product Number
ACERA AMUNDSEN SBA S125 [42MM]	220M LNG PACKAGE	770100
ACERA AMUNDSEN SBA S125 [42MM]	275M LNG PACKAGE	770102
ACERA AMUNDSEN SBA S145 [45MM]	220M LNG PACKAGE	770103
ACERA AMUNDSEN SBA S145 [45MM]	275M LNG PACKAGE	770104
ACERA DAGAMA SBA S125 [42MM/49MM]	220M LNG PACKAGE	770105
ACERA DAGAMA SBA S125 [42MM/49MM]	275M LNG PACKAGE	770106
ACERA DAGAMA SBA S145 [45MM/52MM]	220M LNG PACKAGE	770108
ACERA DAGAMA SBA S145 [45MM/52MM]	275M LNG PACKAGE	770109

More details of our LNG package:

Acera HMPE ropes with Snap Back Arrestor

Acera HMPE ropes with Snap Back Arrestor with Line Design Break Force (LDBF) based on the Ship Design Minimum Breaking Load (SDMBL) according to OCIMF MEG4. Acera ropes are available with or without cover and in two different lengths according to your needs. These ropes are tested and produced in compliance with OCIMF MEG4 and ISO standards. Our SBA is verified by DNV GL and is proven effective via trials using real-life mooring conditions.



More details of our LNG package:



Stretcher with pick-up line

Stretcher fitting to the main line with Snap Back Arrestor and installed Pick up line. The mixed composition Timm Master 12 SBA stretcher with Tail Design Break Load (TDBL) of 125-130% of the SDMBL based on the OCIMG MEG4 guidelines.

Pick up line is installed in the outer eye of the stretcher that will be used over the bollard on the port/terminal side. This 4m long pick up line is both a tool for easier handling and a safety feature. This should be used to lift the eye of the stretcher on the bollard and release it from the bollard. Pick up line will prevent the accident of crews' hands getting stuck between the eye and the bollard in case of unexpected movements.

Pigtail

Pigtail for easy opening of the cow hitch. The package includes a bag with two orange ropes and a manual. These ropes are recommended to use as pigtails in the cow hitch connection for easier opening of the cow hitch when the stretcher is removed. When the tension is applied on the cow hitch connection, it will be very difficult to release it when the stretcher is retired. The pig tail will enable easier opening and will help the crew to perform their task faster and more efficiently.

Chafe guard

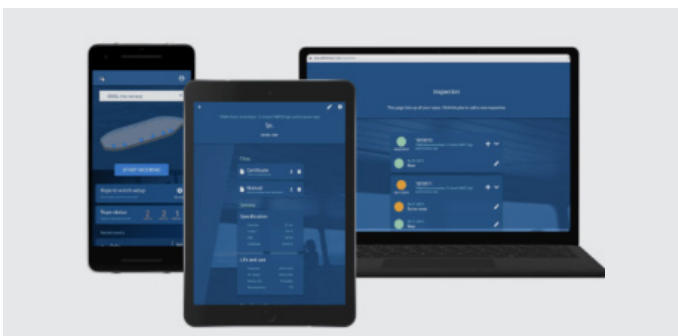
Chafe guard fitting to the main line. Chafe guard will help you to protect the main line in exposed places where chafing occurs. Using the chafe guard will prolong the lifetime of the rope.

Line Management Plan

Line Management Plan (LMP) provides a complete overview of the mooring equipment and usage onboard in just one app - working seamlessly across all devices: computer, phone or tablet - both on board and on shore. The goal is to simplify and streamline all processes and operations required to manage the life cycle of mooring ropes, from procurement to installation, use and retirement. This enables you to have all the information you need for the vetting inspector easily available.

Rope Testing

One test for residual breaking strength according to ISO 2307 is included in our package. The test will be performed in our factory Timm Slovakia and the full report will be shared with you. This will contribute to defining the correct retirement criteria for your ropes. According to OCIMF MEG4, the ropes shall be retired when they reach 75% of the original LDBF.



More details of our LNG package:

Rope Inspection*

One inspection at the time of customer's choice, with time and location as agreed with WSS, is included. Get the full inspection done by the expert. After the inspection you will receive Technical inspection report. Detailed inspection done by the expert will contribute to prolonged lifetime of the ropes. This inspection will contribute to the needed interaction between the experts for manufacturing and the crew onboard using the ropes. Inspection duration is limited to five (5) hours, including waiting hours, performed during WSS' normal working hours.



MEG4 certificate

Be compliant with MEG4 certificate. Every rope and stretcher has an individual certificate created according to OCIMF MEG4, based on Base Design Certificate for the designated product. Base Design Certificates are verified by DNV GL. MEG4 certificate is part of the Line Management Plan (LMP) according to the OCIMF MEG4 and these certificates must be available during the vetting inspection.



Manuals

Installation Manual, Use and Care Manual and Retirement Criteria Manual shall be incorporated into the LMP of the vessel and are also subject to the vetting inspection.



Technical support*

Our experts are only a phone call away. Let us assist you in your technical questions connected to the mooring solution and OCIMF MEG4 guidelines.



For **full ship sets** of ropes we offer additionally:

Turntable

This tool will help you to properly install ropes without twist - a risk that decreases the strength of the rope. Proper installation will prolong the lifetime of your ropes.



Installation Supervision*

This service provided by WSS will ensure that your new ropes are properly installed and secure so that you will get the most out of the lifetime of the rope. The Technical Engineer will supervise and guide the crew during the installation and control that the equipment is properly maintained and prepared for the new Acera ropes. This service includes one (1) Technical Engineer availability for two (2) working days during WSS' normal working hours - with time and location as agreed with WSS.



An Unrivalled Global Network



Key Ports

ALGECIRAS	DURBAN	FUJAIRAH	FREMANTLE	GENOA
HAMBURG	HOUSTON	ISTANBUL	JAKARTA	KOBE
KOREAN DISTRIBUTION CENTRE	LOS ANGELES	MONTREAL	NANTONG	NEW YORK
PANAMA	PORT HEDLAND	PORT SAID	QINGDAO	ROTTERDAM (IDC)
ROTTERDAM PORT	SINGAPORE	STAVANGER	SYDNEY	

Rope and Service Availability in Key Ports Enables:



Easy rope management



Easy replacement



Reduced logistic costs



Quick uptime if the unexpected happens

*The services are subject to WSS' availability at any given time. The timing and location of the said services will be scheduled once Customer confirms its requirements. Please note that what constitutes working days and normal working hours may differ by region.

As this flyer is only meant for informational purposes and shall under no circumstances be regarded as imposing any obligations on WSS, please contact us for further details regarding the availability of the mentioned services.

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Contact WSS customer services
for prices and availability.

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