



All secure: 200,000 safe mooring operations

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Cavotec MoorMaster™ achieves 200,000 moorings

Our innovative automated mooring technology, [MoorMaster™](#), recently passed a landmark 200,000 moorings at applications worldwide, highlighting the growing acceptance of this unique system.

MoorMaster™ is a vacuum-based automated mooring technology that eliminates the need for conventional mooring lines. Remote-controlled vacuum pads recessed in, or mounted on the quayside or pontoons, moor and release vessels in seconds.

Some 200 MoorMaster™ units, installed at 28 locations worldwide, have completed the 200,000 mooring operations at RO/RO, container and bulk handling, and lock applications; and in doing so have made mooring operations safer, more efficient, and even more environmentally sustainable.

Since its introduction in New Zealand in 1998, the [award-winning](#) technology has been steadily introduced at a variety of applications around the world including Australia, [Canada](#), Denmark, [Finland](#), the Netherlands, Norway, Oman, South Africa, [the UK](#), and the United States.

Elsewhere, specially adapted MoorMaster™ units recently completed [At Sea Demonstrations](#) for a project with the US Navy, and we are also working on ATEX, (explosion proof), approved MoorMaster™ systems, potentially for use at LNG berths.

Two of the three applications in Norway [combines our Automatic Plug-in System and one of our shore power units](#) to automatically moor and then charge the battery power unit of a passenger and vehicle ferry - the first system of its kind anywhere in the world, powering the world's first battery powered passenger ferry.

And in another recent development for MoorMaster™, [Cavotec](#) and global marine and energy services group [Wärtsilä](#) are to jointly develop the [world's first combined induction charging and automated mooring concept](#).

MoorMaster™ holds vessels off the berth producing a reduction in fender wear and tear. The system can also be used to reposition vessels along the berth without the need for tugs, mooring gangs, a pilot or vessels' propulsion - resulting in operational improvements and reduced emissions. In some cases, the introduction of MoorMaster™ has also meant that operators have not needed to extend berth infrastructure.

Crucially, removing lines from the mooring process also makes mooring significantly safer for ship- and shoreside personnel.

As vessels are secured in a matter of seconds, compared to up to an hour with conventional techniques, MoorMaster™ also delivers significant operational efficiency gains. This also reduces the use of tugs, which also helps reduce emissions.

Click on the link below to see MoorMaster™ in operation at an iron ore application in Australia, and a passenger ferry berth in Denmark.



[Watch video on YouTube here](#)

As MoorMaster™ goes from strength to strength, we look forward to developing and adapting this extraordinary technology further to make mooring ships safer, quicker, and more efficient.

Cavotec is a leading cleantech company that develops connection and electrification solutions that enable the decarbonisation of ports and industrial applications.

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