

ShipBuilding

industry



A Dutch success story

INDESTRUCTABLE POLY MARINE FENDER SYSTEMS

PROJECT ReMarCCAbLE

DEMONSTRATING SHIPBOARD CARBON CAPTURE

Viking Polaris

ICE-STRENGTHENED EXPEDITION VESSEL



Fast crew tender KRVE 80 in action.

A breeding ground for innovation

Fender Innovations of Wieringerwerf, manufacturers of lightweight, ultra strong fender systems for fast-sailing vessels, has completed a commercially important acquisition this year. The new partner is PolyMarine Fender Systems based in Vlaardingen, manufacturers of cast fender systems for slightly heavier workboats. Both companies will form part of the Fender Innovations Group.

ALL PHOTOS COURTESY OF FENDER INNOVATIONS.

For Fender Innovations, this is the first acquisition since the company was founded in May 2012. The company continues to grow and has reported a 25% rise in production across the whole of 2021. Some 85% of the fenders manufactured by the company

are intended for export to around 40 different countries. Technical director of Fender Innovations, Koos Bijsterveld, expects the acquisition of PolyMarine Service to lead to further growth in production. "As a result of the acquisition, from now on we will be able

to offer our international customer base a much wider range of innovative fender systems. The products from the two companies complement each other perfectly." Erik de Neef, Chairman of the Board of the Koninklijke Roeiers Vereniging



New fendersystem for the fast crew tender KRVE 60 vessel by Poly Marine Fender Systems.



Eendracht (KRVE), share this opinion. "We are delighted that PolyMarine Service, a company established in 2007, finds itself in good hands with a solid partner like Fender Innovations, and will be able to expand further in the maritime sector." The Vlaardingen base of the newly acquired company will continue to operate. Because many of the customers of Fender Innovations are located in the port of Rotterdam, it is useful to also have a production location and a warehouse in which stock products can be stored, in the area. Although the shares of PolyMarine Service were officially transferred on 24 March, the acquisition of the company is effective retroactively, to 1 January 2022. In the words of Managing Director Roemer Boogaard of Fender Innovations, "The name of the company in Vlaardingen will be changed to Poly Marine Fender Systems. That new name better reflects the scope of the business. Both companies are now officially part of the Fender Innovations Group of Wieringerwerf."

Poly Marine Fender Systems manufactures the highest quality fenders in the Heavy duty industry. The unique production process ensures that the fenders are both optimally resilient and durable. The used material has been specifically designed to withstand the most extreme and heavy duty forces and to absorb energy as well as to withstand friction between moving objects. Therefore the Poly Marine Fender Systems are extremely strong and wear-

resistant and have a long lifespan, allowing the ship to remain operational for longer. This makes it possible to schedule any necessary fender replacements at the same time as major maintenance activities, substantially reducing costs and facilitating logistics operations.

KRVE – Shipyard Rotterdam

The KRVE in the Netherlands, founded in 1895 is a mooring company with main office in the Rotterdam harbour in the Netherlands. Their specialty is to provide a complete package in mooring and unmooring of vessels/offshore activities with precision, accuracy and efficiency. These operations are executed with well-trained personal and innovated equipment.

Their marine fleet does contain several Pilot & Crew tenders, mooring launches, work vessels and pontoons. Every 24 hours, over 500 controlled collisions occur with their vessels. This intensive use of equipment made them choose a Poly Marine Service fender system.

The five crew tenders equipped with C600 fenders have been operational for over five years and no hull damages recorded. This makes the vessels very efficient and gives an average cost reduction of EUR 15,000 per year per vessel; as each high-speed water yet tender makes more than 5,000 running hours a year.

Other positive aspects of the fender systems are reduced shock loads through the vessel at every [»](#)



Poly Marine
Fender Systems

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is part of The Fender Innovations Group

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for heavy duty
applications



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KRVE 86 Multicat Crane Vessel.

(un)controlled collision. This fact has reduced mechanical damages on engine, jet systems, drive shafts and electronic systems.

The fenders of Poly Marine Fender Systems are specially designed for the heavy duty operations of the KRVE Rotterdam Boatmen. Therefore they are ultra strong, extremely durable and have an unique high buoyancy (up to 80% more) and very high energy absorbing power. To this end, a partnership has been entered into with Poly Marine Fender Systems. Already 30 ships of the KRVE Rotterdam Boatmen and various ships of customers have now been fitted with these Fender Systems. The composition of these Fender Systems ensures that when ships are mooring or coming alongside, the impact is damped, which leads to less hull damage and also makes mooring more comfortable and safer. The fenders can be supplied in any desired colour and thickness (weight).

A success story

We talked to Gerrit van der Burg, Board Member of the KRVE. Mr Van der Burg shares, "In the past, we tried and tested numerous fender suppliers to find fenders strong enough to endure the many controlled and uncontrolled collisions of the vessels, but not one was strong enough. Until we stumbled upon



Signing of the transfer documents. I to r: Sylvia Ruizendaal – Fender Innovations, Erik de Neef – KRVE, Roemer Boogaard – Fender Innovations, Koos van Bijsterveld – Fender Innovations, Peter Budde – PolyMarine Service, Cliff Scheurkogel – KRVE, Claire Groenewegen – KRVE.

the two founders of PolyMarine (Fender Systems), who were active in the offshore sector at the time." Mr van der Burg goes on, "After a successful round of testing, we saw that their fenders did not break, yet they remained strong and sturdy. We decided to sign a contract for the fenders immediately. The first fender that we acquired from Poly Marine Fender Systems is now thirteen years old and still going strong, the vessel doesn't have any hull damage." "This is a real success story", Mr van der Burg adds, "And we look forward to continuing this success story with Poly Marine Fender Systems."

Another great success Mr van der Burg is very proud of is the development of ShoreTension. Sleeves available in the market didn't satisfy the KRVE and were not sufficient to deal with the (high)

mooring forces, so they developed ShoreTension, an innovative mooring system to make the mooring of seagoing vessels run smoothly. ShoreTension has a heavy duty sleeve with a Dyneema inlay to reduce the friction and minimise the potential damage to the mooring lines and fairleads. The system makes mooring of sea vessels much safer and ensures, that even with strong winds or suction, the vessel stays in place. A power pack puts the cylinders at the correct tension just once and then uses the forces of the ropes to keep the vessel in place. "All in all," Mr van der Burg proudly concludes, "The Rotterdam area is a breeding ground for innovation!"

[i. polymarinfendersystems.nl](http://polymarinfendersystems.nl)
[i. krve.nl](http://krve.nl)