Fender Innovations

CUSTOM-MADE FENDER SYSTEMS FOR

Superyachts / tenders

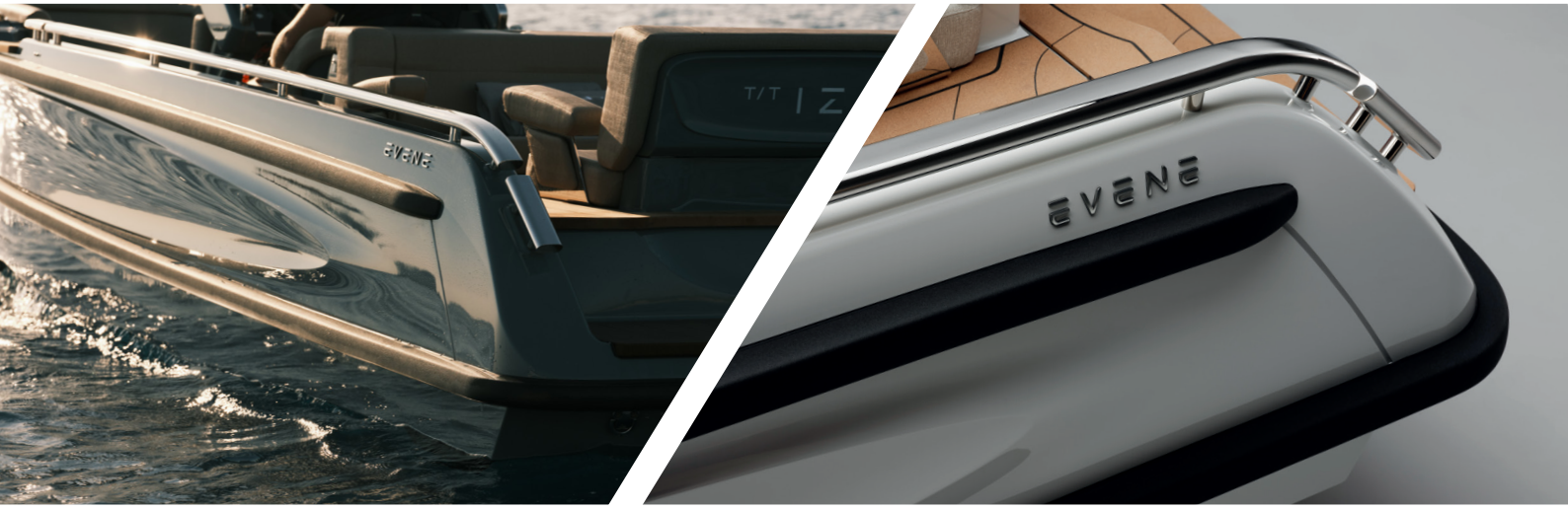
Elegant, flexible, and precisely tailored to your vessel.

www.fenderinnovations.nl

Custom-made fender systems
for **Superyachts / Tenders**

Where Quality Meets Design.

At Fender Innovations, we craft premium fender systems for Superyacht Tenders: elegant, lightweight, and tailor-made for each vessel. Our designs combine refined aesthetics with exceptional performance.



Every vessel tells its own story, and every detail matters

We create our fender systems with an uncompromising eye for detail, where every radius, every line, every finish and every connection is carefully engineered to perfectly complement the vessel's design, character and intended usage.

From functionality to aesthetics, our goal is simple: creating fender systems where performance, durability and visual perfection come together seamlessly.

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KEY FEATURES

Sleek Design & Seamless Integration

Our custom-built fender systems are designed to follow your vessel's lines with absolute precision. Seamlessly formed around corners and complex curves, they enhance both aesthetics and functionality while delivering superior protection, impact absorption, and wear resistance.

A range of premium topcoat finishes is available, while custom features such as integrated logos, stainless steel accent lines, light openings, and other bespoke design elements can be seamlessly crafted directly into the fender system for a sophisticated and fully personalized appearance.

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Tailor-Made with Complete Design Freedom

Every Fender Innovations system is individually engineered to match the vessel's hull shape, operational requirements, and design vision with absolute precision.

We manufacture fenders in virtually any shape and in one continuous piece up to 20 meters in length. Longer lengths are available upon request.

Whether based on 2D CAD drawing, 3D CAD mo-dels, physical templates, or on-site measure-ments, we support both new-build projects and refit applications. By carefully optimizing material properties, we ensure the perfect balance between flexibility, contact surface, durability, and hull conformity.

Repairable

Our closed-cell construction prevents water absorption, allowing temporary emergency repairs to be carried out in the event of damage. This minimizes downtime while maintaining the fender's protective performance until permanent repair can be completed.

The fender system can subsequently be professionally restored to its original condition.

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Ultra-Lightweight Performance

Engineered for performance without compromise, our advanced fender systems are up to 12 times lighter than traditional rubber fenders. The substantial weight reduction enhances handling, improves vessel balance, and contributes directly to greater speed, efficiency, and overall on-water performance. By combining lightweight construction with exceptional durability and protection, our fender systems perfectly complement the demanding standards of modern superyacht tenders and high-performance vessels.

Sustainability & Responsibility

At Fender Innovations, sustainability is not an afterthought — it is an integral part of the way we design, engineer, and manufacture our fender systems. We are committed to developing high-performance solutions with a minimal environmental footprint, combining innovation, durability, and responsible production practices. Through the use of recyclable materials, energy-efficient manufacturing methods, and advanced engineering principles, we actively contribute to a more sustainable maritime industry — without ever compromising on quality, strength, or performance.

We reduce our environmental impact by:

- **Using recyclable, long-life materials**
  Extending product lifespan while reducing raw material consumption and unnecessary waste.
- **Implementing energy-efficient production processes**
  Minimizing energy usage throughout every stage of manufacturing.
- **Reducing material waste through precision engineering**
  Applying advanced production techniques and lean manufacturing principles for maximum efficiency.
- **Designing with purpose and functionality**
  Optimizing protection, weight, and performance with minimal excess material.

Our ambition is clear: to support a cleaner, smarter, and more efficient future
for the maritime industry — one advanced fender system at a time.

SPECIFICATIONS

Shape

Our fender systems can be manufactured in virtually any shape and length, fully tailored to the vessel's hull design and operational requirements. Using advanced 3D engineering techniques, we create seamless fender systems that precisely follow complex curves, corners, radii, and angles. Virtually any shape is possible, to fit the hull and achieve optimal in-service performance.
The flexible cross-section allows maximum design freedom, while minimum radiuses for load-bearing surfaces are carefully determined based on the intended application and performance requirements.
Our team is pleased to advise on the optimal fender profile for every vessel.
We work with IGES, Rhino, and most commonly used 2D and 3D design files. When digital files are unavailable, we can also manufacture fender systems based on physical templates and on-site measurements.

Mounting

The preferred installation method is direct bonding to the hull or vessel structure, offering a clean finish, efficient installation, and a highly reliable connection. Alternative mounting solutions may also be engineered to meet specific technical or operational requirements.

Custom Features

Our fender systems can incorporate a wide range of integrated custom features, including rope eyes, handles, reinforced inserts, stainless steel accents, logos, and light openings.

These integrated solutions not only enhance functionality and aesthetics but also enable the creation of extremely strong connection points with load capacities up to 5 tons.

Materials

Our fender systems are constructed using a high-performance combination of closed-cell foam cores, advanced technical fabrics, and our durable FI topcoat system.

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Technical Fabrics

We carefully select the most suitable technical fabric or reinforcement mesh for each application, including advanced materials such as Aramid and Dyneema®, ensuring maximum durability and performance.

Topcoat System

- Premium FI 55 or FI59 Polyurea topcoat system
- Adjustable coating thickness depending on the application and operational demands
- Exceptional durability and wear resistance
- Available in smooth or non-skid finishes
- Standard colours include black, battleship grey, and orange
- Custom colours and finishes available upon request

Temperature Range

Our fender systems are designed to perform reliably in demanding marine environments and are suitable for ambient temperatures ranging from -30°C to +55°C.

Extended or specialized temperature ranges can be engineered upon request to meet specific operational requirements.

Additional Features

- Custom-integrated company logos for a fully personalized appearance
- Seamless integration with composite, aluminium, nylon, and stainless steel constructions
- Supply of custom brackets and mounting points in marine-grade stainless steel (316) or aluminium
- Integration of stainless steel accent lines, light openings, handles, rope eyes, and other bespoke design features
- Tailor-made solutions engineered to complement both the vessel's design and operational profile

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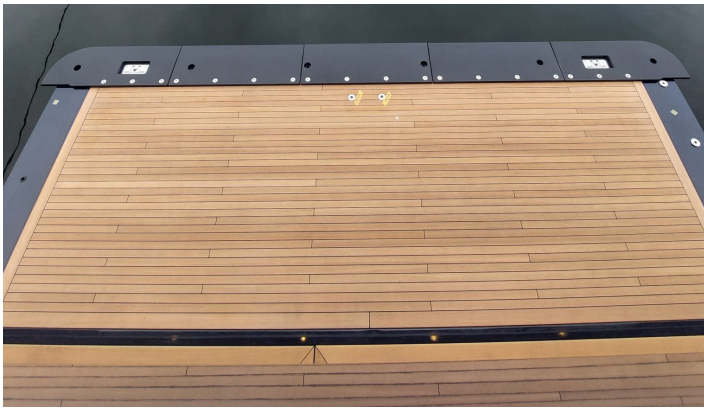
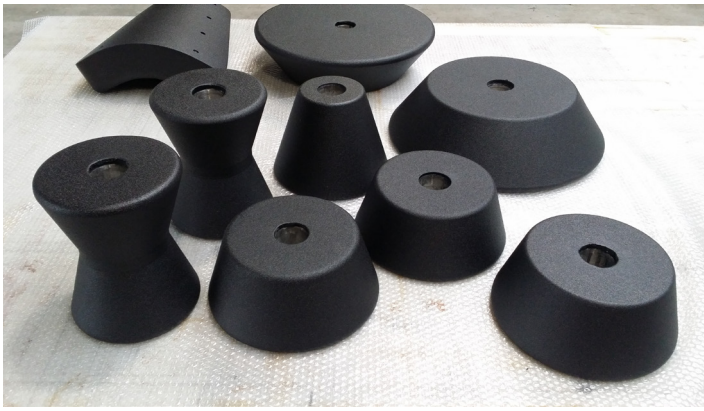
Special Projects & Custom Solutions

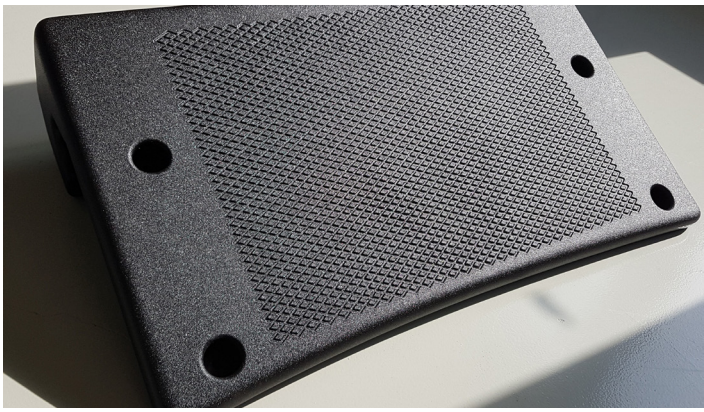
At Fender Innovations, we specialize in the design and production of fully customized fender systems and protective solutions for unique maritime applications. From luxury superyacht tenders to highly specialized operational craft, we combine advanced engineering, premium materials, and refined aesthetics to create solutions precisely tailored to the vessel and its intended use.



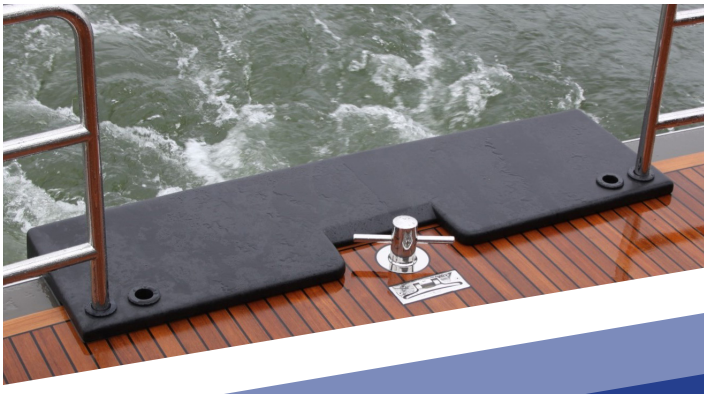
Our expertise extends far beyond traditional fender systems. We develop a wide range of bespoke products and integrated solutions, including tender fenders, removable fender systems, tender chocks, jetski protection fenders, buddy seats, cradle blocks, and touch-and-go protection solutions. Every product is engineered with the same attention to detail, lightweight construction, durability, and seamless finish that define the Fender Innovations standard.



Whether the priority is protection, functionality, weight reduction, ease of handling, or visual integration with the vessel's design, our team works closely with owners, designers, and shipyards to deliver tailor-made solutions without compromise.



With complete freedom in shape, dimensions, materials, finishes, and integrated features, we transform complex technical requirements into elegant, high-performance maritime solutions.



Meet the Fender Innovations Group

Fender Innovations B.V. specializes in lightweight, flexible, tailor-made fender systems and custom solutions for fast rescue boats, lifeboat tenders, superyacht tenders, and heavy-duty RIBs.

Poly Marine Fender Systems B.V. develops and produces highly durable, impact-resistant polyurethane fender systems for demanding marine applications, such as pilot vessels, ferry's and tug boats, and specialized solutions as wear plates, friction segments, bollard protection, mooring protection, and rope protection systems.

Together, we combine innovation, durability, and craftsmanship to deliver high-performance maritime protection solutions without compromise.

Find out more

Fender Innovations
Westrak 240,
1771 SV Wieringerwerf
The Netherlands

Phone:+31 22 37 64 170
info@fenderinnovations.nl
www.fenderinnovations.nl

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