

## Future Fibres' Lightning Mitigation (LiMit Collar) Technology on display at JEC 2024 Innovation Planets

*March 2023, Valencia, Spain - Future Fibres – the world's leading supplier of composite rigging to the marine industry – is proud to announce its LiMit Collar display at JEC 2024 Innovation Planets.*

Fresh from being awarded the DAME Design Award in the Security & Safety Aboard category at METSTRADE (the world's largest trade exhibition of marine equipment, materials, and systems), Future Fibres' landmark innovation makes its JEC World debut.

**JEC WORLD**  
**2024** The Leading International  
Composites Show  
March 5-7, 2024 | PARIS-NORD  
VILLEPINTE



 **futurefibres**

Instances of lightning damage onboard yachts are steadily increasing, and, as global warming intensifies, the frequency of lightning strikes is projected to increase by 12% with every degree of temperature change—that is 50% before the end of the century.

Lightning strikes pose an escalating threat to safety and equipment integrity. LiMit Collars directly address this concern by providing high-conductivity, seamless fuse structures at critical areas where electrical current arcs between carbon fibre and metallic rigging parts, thereby absorbing current and mitigating damage at each conical end fitting.

LiMit Collars offer a lightweight, retrofittable, and inspectable system that integrates seamlessly with existing rigging without compromising on aesthetics. Backed by extensive testing, the R&D project included exposure to 200kA and 2 MJ/ohm in simulated lightning strike conditions, adhering to rigorous EUROCAE ED-84A aerospace standards in Europe's leading certified labs.



*LiMit Collar*



*One of the high energy lightning strike tests that were carried out to evaluate a wide range of lightning protection systems.*

Beyond the marine industry, the technology brings obvious benefits to carbon tensile cables in a range of applications vulnerable to lightning strikes, such as Cranes, Civil Engineering and Architecture. Having been praised for its ability to be easily retrofitted, and removed for post-strike inspection and replacement, LiMit Collars empower users with a practical, reliable, adaptable solution.

LiMit Collars are an option on MultiC carbon composite rigging. To find out more, please contact Future Fibres Rigging Systems S.L. **Hall 5, stand 04 or [info@futurefibres.com](mailto:info@futurefibres.com)**

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