

LIIONTEK - product portfolio

2025/ 2026

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LITHIUM ON-BOARD



Lithium-ion batteries are increasingly used in water-toys and hybrid systems onboard superyachts. While powerful, they pose unique fire risks.

Liiontek offers specialized detection, suppression, storage, and PPE solutions tailored to marine safety needs.

LITHIUM SAFETY PRODUCTS 25/26

- Early Warning Detection
- Storage & Charging boxes
- Fire Blankets
- Crew PBM's
- Fire Extinguishers.
- Hybrid/Electric Tender Monitoring



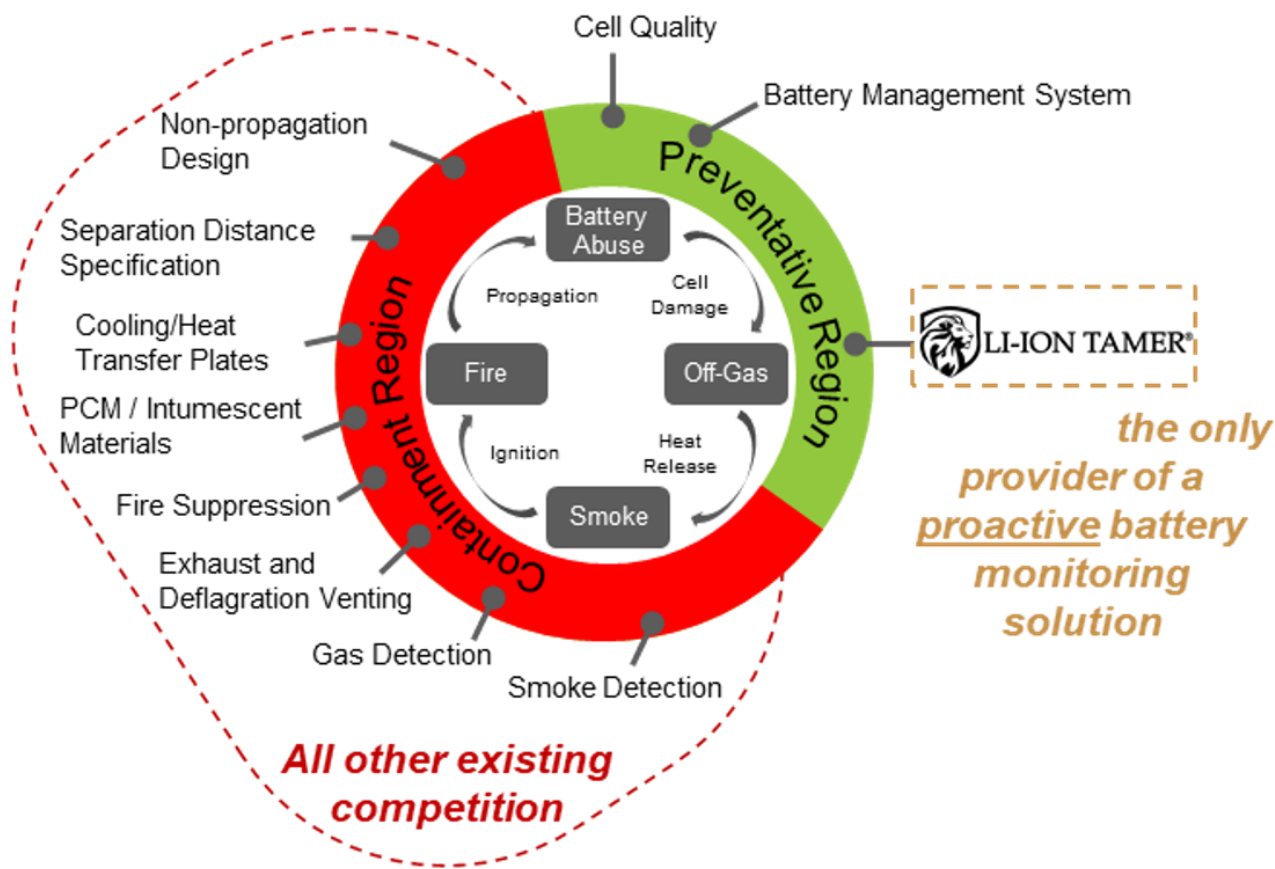
LIIONTAMER – PREVENTION

- Developed in the United States
- Scalable solution for large hybrid system: Gen3
- Stand-alone Li-Ion batteries: BES & BES Lite sensors
- BMS integration possible?: BES LITE BMS
- Integrated into all Fisacon boxes from Q1/26
- Multiple Output Sensor: MOS System

TESTED. AND APPROVED.



WHAT IS LI-IONTAMER?



The Li-ontamer products were developed to make batteries safer. The technology was first developed with support of the U.S. Navy to improve the safety of lithium-ion battery installations onboard ships. Since then, the technology has evolved into advanced detection solutions for large format energy storage systems, and now, electric vehicles.

Since the start in 2010, there were conducted countless tests on battery cells and worked with battery system designers, end-users, regulators, and subject matter experts to develop approaches to improve the safety of lithium-ion battery systems.

The approach offers unique information about the condition of the battery through monitoring of off-gas events from the cells. This can provide the early warning necessary to act and prevent a battery fire in your system.

FISACON – STORAGE AND CONTAINMENT

- Developed in Germany
- For battery charging inside a box
- Mobile and fixed versions
- Explosion proof housing
- Cooling liquid inside

TESTED. AND APPROVED.



FISACON - PRODUCTS

Fisacon Raclan Normal

- 1,7 kWh of Li-Ion total
- Portable, integrated cooling, filtration, fire & explosionproof housing

Recommended use: Powertools, Portable electronics, E-bike battery.



Fisacon Raclan Square

- 3.5 kWh of Li-Ion total
- Stackable 5 units high, still portable, IP66
- Optional Li-Ion Tamer integration Q4-2025
- Integrated cooling, filtration, fire & explosionproof housing

Recommended use: Powertools, Portable electronics, E-bike battery, small watertoys.



RAMBSS modules

- 3 scalable sizes – Optional Li-Ion Tamer integration Q4-2025
- Holds full-size Seabob and Fast-Charger inside, 5.25 kWh maximum
- Fully integrated, floods box in fire situation, AMCS connection.

Recommend use: From small watertoys till Seabobs.



LI-FIRE – BLANKETS AND BAGS

- Developed in United States
- Contains the fire inside the bag or under the blanket
- For all kind of fires, including lithium
- Also for larger lithium risks such as cars and golf carts
- Special made odd-sizes produceable

USED BY MANY FIRE DEPARTMENTS



LI-FIRE - EV BLANKETS AND BAGS

EV Fire Blankets – several sizes

- EN13501:2018 certified
- Proprietary EV Fire Materials, Corrosion-Resistant
- MGN-681 recommended, durable but lightweight

Recommended use: From Small objects till seadoo`s and small tenders



EV FireBags

- Especially for smaller toys
- 3 sizes, largest holds a Seabob, smallest specially for powertools
- 1000 degrees temperature resistance, gains crew time to react

Recommended use: From Portable electronics till Seabobs



E-Foil Sleeves

- Holds FliteCell batteries inside
- Will fits multiple iPads/small laptops
- Perfect for use on swimplatform against UV / radiation heath.



LFIM-Personal Protective Equipment

- Developed in the Netherlands
- Manufactured in Europe
- Protects against toxic gases, smoke, and debris during Li-ion battery incidents.
- Combined respiratory and facial protection in one compact mask
- LFIM provides 15 minutes of reliable protection against toxic gases and smoke in Li-ion incidents. Compact, user-friendly, and instantly deployable – a small mask that can save lives



MANDATORY CREW PROTECTION

LFIM – Lithium Fire Intervention Kit

- Mask for 15 minutes protection against HF-gas
- Special gloves
- Wallmount option for crewcabin / pantry / ECR



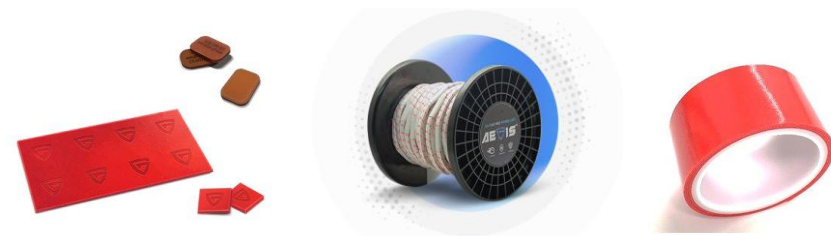
750ml & 2 liter Li-Ion fire extinguishers

- Perfect size for crewcabins
- Gel-based solution, safe to use on people / furniture
- PFAS free, eco friendly, lightweight, MED approved



Nano-cell technology extinguishing

- PAD, perfect for inside drawers
- WIRE, perfect for small electrical item / E-Panel
- TAPE, perfect for aging powercables.



ASAPS: AS SMART AS POSSIBLE

- Developed and Manufactured in the Netherlands
- Zero PFAS – completely free from harmful chemicals
- Safe for people and the environment
- Made from over 99% natural ingredients
- When the extinguisher reaches the end of its lifecycle, it can be returned free of charge for complete recycling. The extinguishing agent is reused as a compost enhancer, giving it back to nature.
- With this unique process, ASAPs is the world's only fully circular fire extinguisher.
- Best tested according to **NTA 8133**



FIRE EXTINGUISHERS

This gel spray can be applied directly to the item, forming a protective heat shield around it.

2 Liter Portable Lithium Extinguisher – MED Approved

- 200 Wh Li-Ion batteries
- 20-25 sec extinguishing time, 2-3m throwrange
- ECO: 99% natural components, PFAS free, Non toxic for people, animals and plants

6 Liter Portable Lithium Extinguisher – MED Approved

- 400 Wh Li-Ion batteries (NTA:8133 certified)
- 35-40 sec extinguishing time, 3-4m throwrange
- ECO: 99% natural components, PFAS free, Non toxic for people, animals and plants

9 Liter Portable Lithium Extinguisher – MED Approved

- 600 Wh Li-Ion batteries (NTA:8133 certified)
- 65-75 sec extinguishing time, 3-4m throwrange
- ECO: 99% natural components, PFAS free, Non toxic for people, animals and plants



HYBRID TENDER MONITORING

Tender Monitoring and Tracking System

We're excited to introduce YachtTrace TM01, the advanced tender monitoring system, which has been acknowledged by insurers to allow towing at night and extended distances from shore (working in remote areas), often with lower deductibles.

Complete monitoring for theft, towing and charging

From Q4-2025 TM01-LT:

Integration of special made Li-Ion Tamersensor into monitoring system, especially created for the Hybrid & Full-Electric tender which are deployed more and more.

Continuous Off-Gass monitoring giving crew a 'Golden-Time' of 3-30 minutes to react and to prevent thermal runaway.



Monitoring Yacht Trace

- Plug and Play - fast self install
- Anti-theft.
- 2-way comms (RF) for crew safety.
- Sustainable portable design, addressing the tender's unique technology

added protection for towing at night

PANTAENIUS YACHT INSURANCE

BRITISH SUPERYACHT Leading the Industry

TIDE INSURANCE

We are recognised by lots of other insurers. Please ask

LIIONTEK

www.liiontek.com

info@liiontek.com

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The Netherlands
France
Spain
United States

Visiting adress:
Jan Duikerweg 9D
1703DH Heerhugowaard
The Netherlands

