

# Cargo Fire and Loss Innovation Initiative (CFLII)

The **Cargo Fire and Loss Innovation Initiative (CFLII)** is a collaborative technology acceleration program, established by Safetytech Accelerator, aiming to eradicate the cargo fires and losses that cast a shadow on global supply chains.

## The problem

The maritime industry faces a growing challenge through the increasing prevalence and escalating consequences of fires onboard ships. Issues such as cargo mis-declaration / non-declaration and the increased prevalence of high-risk cargoes, such as lithium-ion batteries, contribute to this significant supply problem.

Beyond immediate safety and environmental concerns, these incidents impact investor relationships, client reputation, and the overall perception of the maritime supply chain.



Onboard cargo fires are occurring at a frequency of more than **1 per week**. Each one has the potential for total loss of the ship and its cargo as well as the injury and death of its crew.



In **2022**, fire emerged as the second top cause of loss for shipping vessels, after foundering.



We are committed to talent training to help provide a safe, high quality working environment for our seaman. By participating in an enterprise such as the Cargo Fire & Loss Innovation Initiative we aim to work closely with all stakeholders to guard the safety of container shipping transportation.”

**Erik Hsieh**, President of Evergreen Line

## Approach

Through thought leadership, technology road mapping, challenge development and efficient tech sourcing, Safetytech Accelerator and Initiative Anchor Partners are collaborating to identify and pilot practical, high-potential technologies.

**Anchor Partners include:** COSCO Shipping Lines, Evergreen Line, HMM, Lloyd's Register, Maersk, the Offen Group, ONE, Seaspam, TT Club and UK P&I Club.

## Objectives

- ^ Eliminate cargo fires at sea
- ^ Support effective incident response
- ^ Reduce instances of cargo loss

## Sustainable Supply-chains

Recognising that the causes of fires at sea do not always start at sea the CFLII is keen to work with all stakeholders to identify where in the supply-chain innovation challenges and technology deployment may prevent the occurrence of fires.

## Tech Deployment Challenges

Defined and prioritised by Anchor Partners, Safetytech Accelerator leads challenge creation, leveraging technical expertise for global scouting, due diligence and showcasing. Creating impactful feasibility studies and pilot deployments.

## Benefits of Joining

By joining the **Cargo Fire and Loss Innovation Initiative (CFLII)**, you position yourself at the forefront of industry advancement, reaping several key benefits:

- + **Risk Mitigation:** CFLII activities mitigate the risk of cargo fires and losses, preserving assets and industry reputation.
- + **Strategic Collaboration:** Access a network of industry leaders, helping to shape an industry response to safety & risk challenges.
- + **Cutting-Edge Solutions:** Gain early access to cost-effective, high-impact technologies addressing specific challenges.
- + **Enhanced Industry Standing:** Showcase commitment to safety and innovation, elevating your industry profile and stakeholder perception.
- + **Operational Efficiency:** Implement practical technologies for improved cargo monitoring, response, and overall efficiency, optimising your supply chain.
- + **Global Impact:** Contribute to a global initiative, shaping industry standards for a safer and more sustainable inter-modal supply chain.



## How to Get Involved

As the CFLII looks to expand beyond vessel boundaries and into the port/terminal and extended supply-chain, **join our existing members** to set new standards not only in maritime safety but also in supply chain sustainability, helping to direct and influence innovation and create positive stakeholder impact.



## About Safetytech Accelerator

Safetytech Accelerator, established by Lloyd's Register, is the first fully dedicated technology accelerator focused on advancing innovation in safety critical industries, with a mission to make the world safer, more resilient, and more sustainable through the wider adoption of technology.