

Invisible Risk, Massive Impact

A photograph of a port at sunset. Several large gantry cranes are silhouetted against a bright orange and yellow sky. The cranes are reflected in the calm water in the foreground. The overall scene is peaceful but carries a sense of industrial scale.

Why Fire Suppression Systems
Matter in Port Operations
Tommy Carnebo – Dafo Vehicle

Dafo Vehicle – Now Part of United Safety

- **USSC is a global leader** in safety solutions across transit, defense, marine, and industrial markets.
- This acquisition strengthens Dafo Vehicle's ability to **innovate and expand product offerings**.
- Dafo Vehicle remains **fully focused on vehicle fire suppression**, while benefiting from USSC's expertise in other safety-related areas.





Tommy Carnebo

- Professional fire-fighter for 21 years.
- Specialist in fires in BEV solutions
- Training Manager and BEV Risk Specialist
- Adviser EU



A large fire is burning at a port, with thick black smoke rising into the sky. The fire is located among stacks of colorful shipping containers. In the background, a city skyline is visible under a cloudy sky. The text "Fires in ports are not rare. They are disruptive, costly, and sometimes catastrophic." is overlaid on the image.

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Why fire suppression system?



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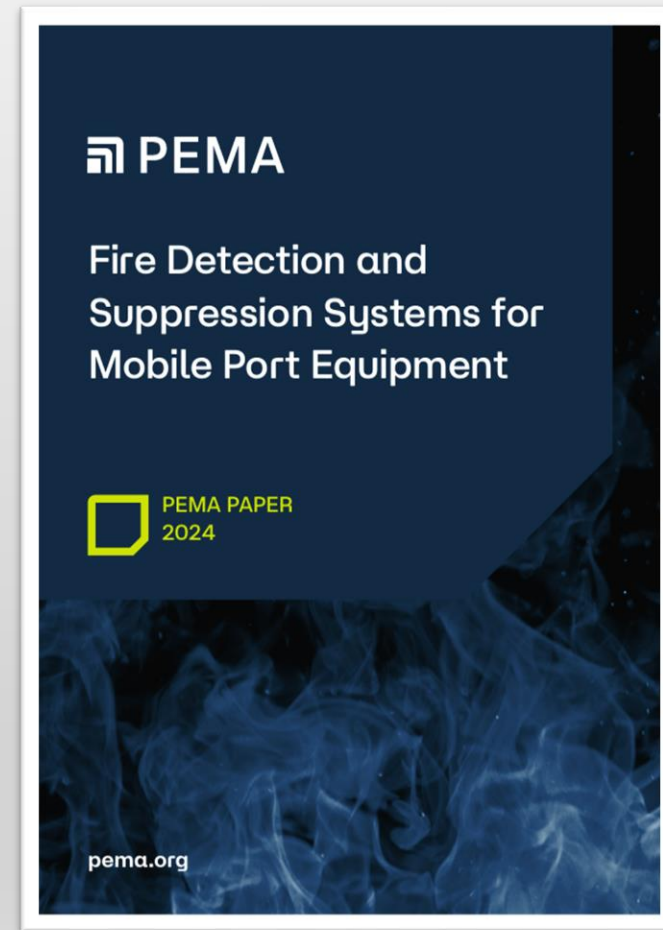
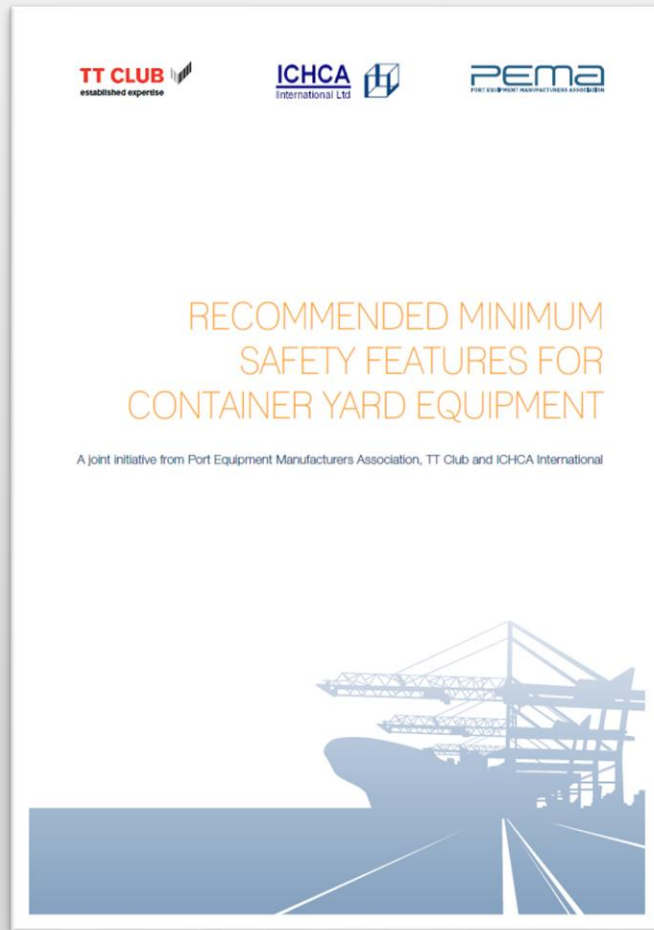
Why fire suppression system?

Consequences:

- Operational Disruption/downtime
- Financial Implications
- Impact on Third-Party Revenues
- Erosion of Confidence
- Reputational Damage
- Environmental Consequences
- Operator Stress

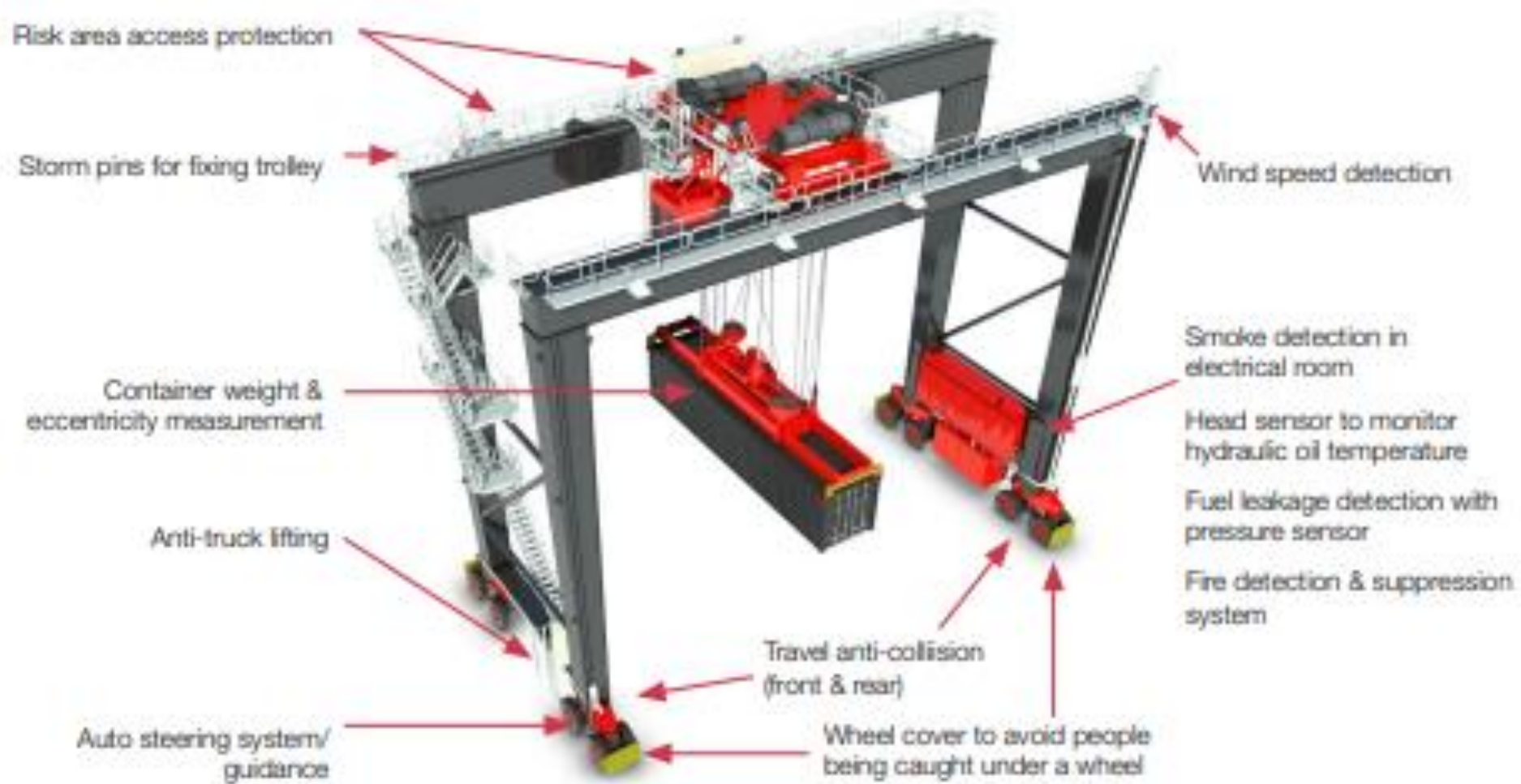


Fire protection – increased demand



RTG

3.2 RTG SAFETY FEATURES



Reach Stacker

3.6 REACH STACKER AND LIFT TRUCK SAFETY FEATURES



Material handling



A large fire is burning at a port. A red container is being lifted by a crane. The fire is very intense, with bright orange and yellow flames. The background shows a port with blue cranes and other containers.

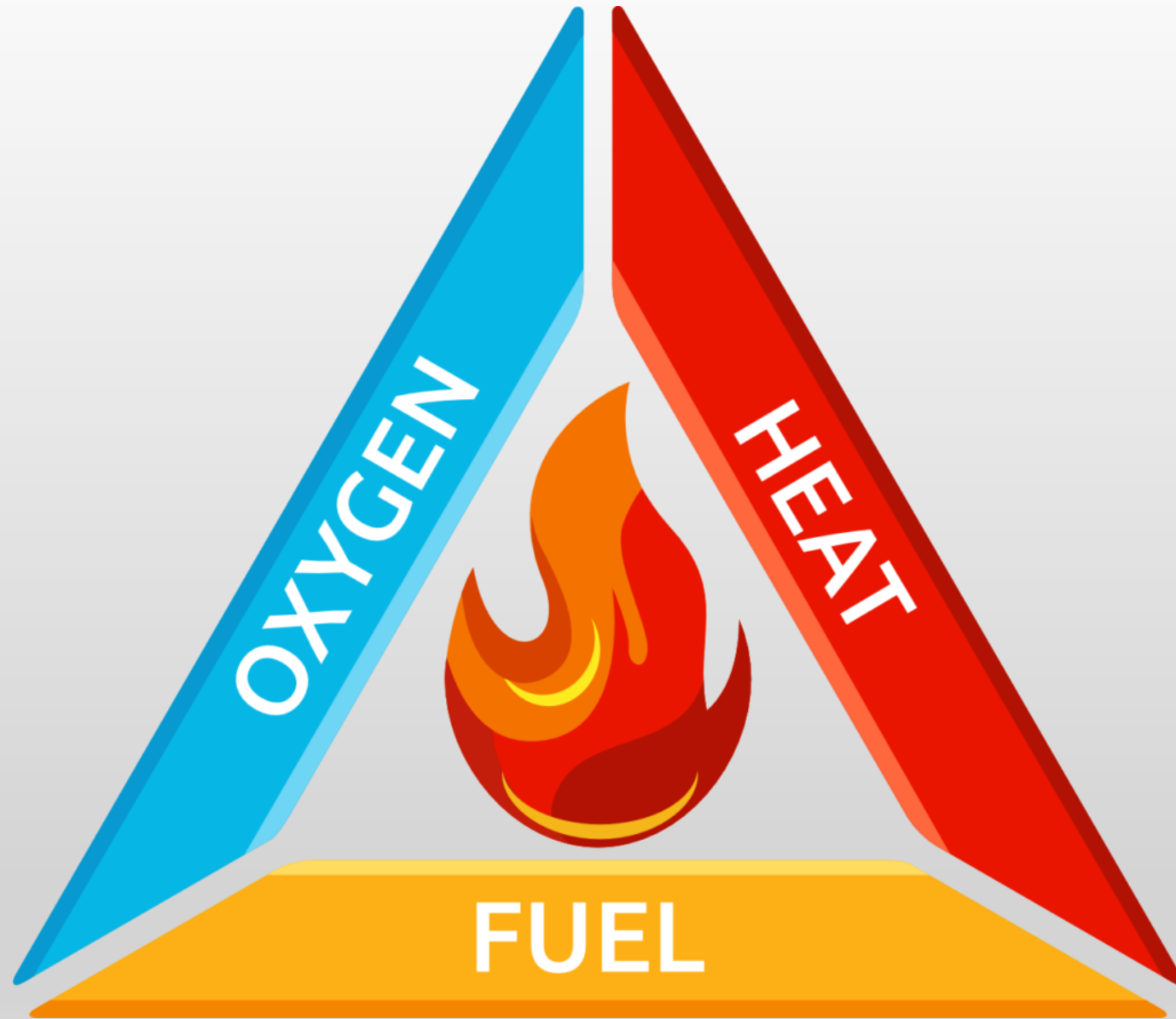
Main reason for fires?

Poor maintenance

Detection



- Multiple detection options based on specific machine and model requirements
 - Linear heat detector cables
 - Smoke detection
 - CO detection
 - Flame detection
- Early warning
- Fast response
- Reliable – no false releases
- Robust – adapted for harsh environments



FORREX EVO™ Wet Chemical Agent

- Environmentally friendly
- Excellent cooling
- Prevents reignition
- High penetration capability
- Effective Flame Knockdown
- Non-hazardous, no risk for personnel during discharge
- Non-corrosive
- Freeze protection down to -50° C
- Easy clean up after discharge



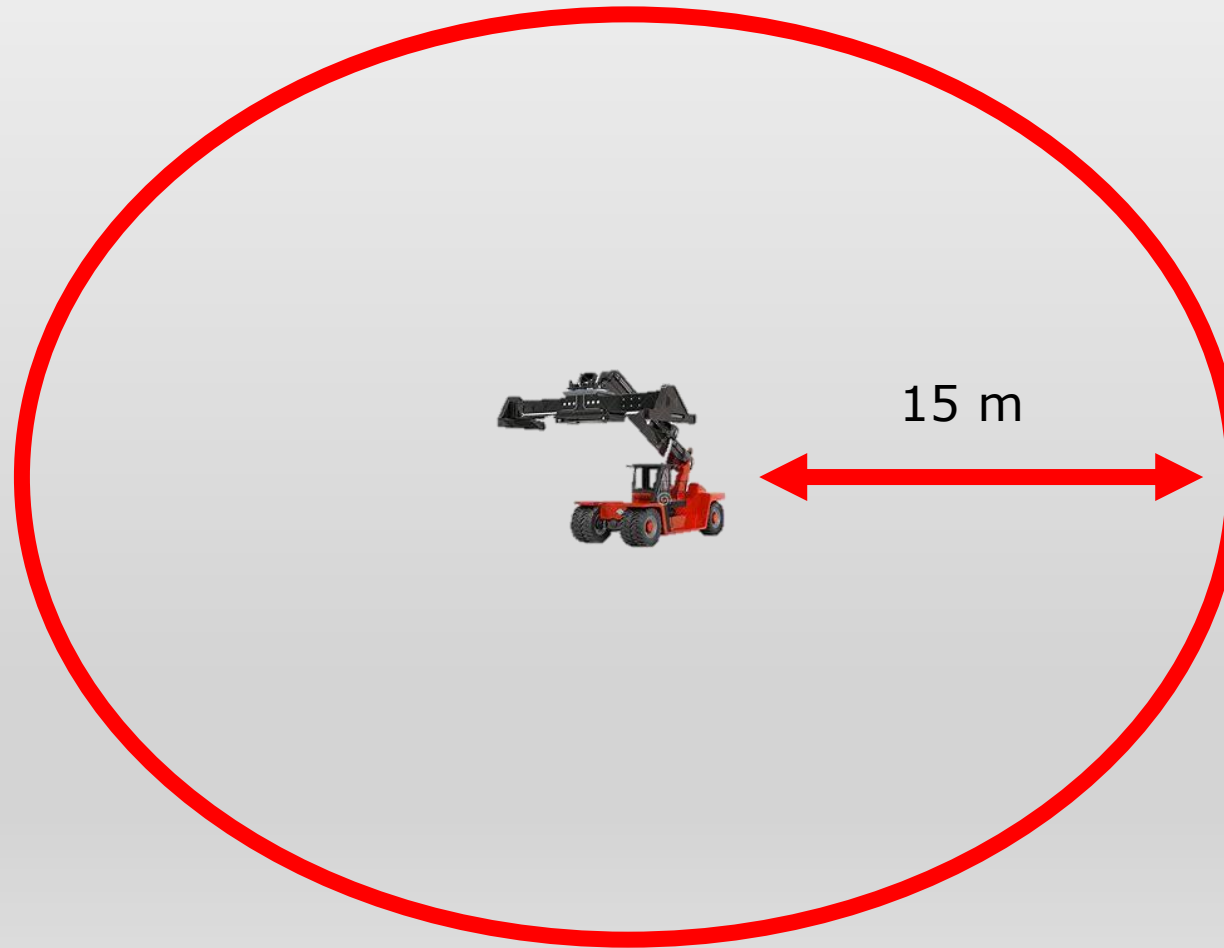
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A-Gen – an aerosol solution

- Large electrical rooms (e-rooms) in RTGs, Mobile harbour cranes and STS – Ship-to shore cranes



Quarantine



Summary – Key Takeaways

- Fires in ports pose high risk and cost
- Early detection and suppression are critical
- Dafo provides proven, scalable protection
- Visit Dafo at Booth G14
- Schedule a site risk assessment
- Learn more at: dafo-vehicle.com

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