

# RoRo fires - Swedish early detection project: **LASH FIRE**



Fires on vehicle decks are another major challenge. Detection of fire or smoke is difficult on the internal vehicle decks of RoPax or vehicle carriers due to the large volume and high ceilings of the spaces.

Video analytics is commonly recommended for warehouses and automated car garages, due to its ability to evaluate the entire camera image, normally including floor to ceiling, and its fast detection of flame and smoke.

Managed by the Research Institute of Sweden, LASH FIRE (Legislative Assessment for Safety Hazards of Fire and Innovations in RoRo ship

Environment) is a project focusing on the early detection of fires on the enclosed vehicle decks of RoRo ferries. Funded through its research and innovation programme Horizon 2020, the European Commission is investing EUR 12.2 million in the four-year project, which started in September 2019.

The project's stated aims are to reduce the occurrence of fires on RoPax ships, general RoRo cargo ships and pure car/truck carriers (PCTCs), increase the proportion of fires detected and controlled at an early stage, and improve independent fire management capabilities on board.

The project consortium is looking to develop and demonstrate new procedures and technical innovations to enhance RoRo ship fire safety – the solutions developed will lead to regulatory proposals, assessed and validated according to the IMO Formal Safety Assessment methodology, providing the basis for the revision of international maritime regulations.

Fike is a partner in the project, supporting LASH FIRE in its evaluation of these systems. 

