



**Think prevention costs?
Try having an accident...**

DASPOS CASE 01

Company: **Carnival Corporation & plc**

Who: **WP**

Deputy Director, Technical Safety Systems
Holland America Group, Serving Holland America Line
and Seabourn

Carnival Corporation & plc, the world's largest leisure travel company, provides travelers around the globe with extraordinary vacations at an exceptional value. The company's portfolio of global cruise line brands includes Carnival Cruise Line, Fathom, Holland America Line, Princess Cruises and Seabourn in North America; P&O Cruises (UK) and Cunard in Southampton, England; AIDA Cruises in Rostock, Germany; Costa Cruises in Genoa, Italy; and P&O Cruises (Australia) in Sydney.

In 2013, the entire group was tasked to improve overall fire safety systems for the engine room spaces. A team of experts from the various brands got together and started brain storming the best way forward.

Several supporting companies known to the Industry for their safety systems were invited to present themselves with ideas and new innovations. The Company DASPOS A/S from Denmark got our immediate attention when presenting their LAS-10 oil spray and gas leakage detection system.

The system is designed to detect fuel oil leakages in an early stage by measuring differential pressure over a filter in a special designed detector unit. It can measure hazardous hydrocarbons as well. Pending on the size of the engine room spaces, multiple detector units are strategically placed throughout the higher risk areas. The detectors have an airflow of approximately 600 cubic meter per hour, assuring prompt detection. Each detector communicates with a central control device and keeps watch keepers alert in case of a detection.

After a trial period with promising results on some of the Carnival group vessels it was decided to contract DASPOS A/S for the entire group, awarding a 100 plus vessel contract to deliver and outfit each one of them with their system.

DASPOS A/S is a company adapting easily to the customer's needs.

They are working closely together with the designated project managers evaluating carefully each situation after a thorough smoke simulation test is done in the machinery spaces to determine the correct amount of the detectors needed.

DASPOS A/S has been extremely flexible over the period of installations and listen to suggestions and request when there was a need for changes or improvement of the installations.

In this way both the operating lines as well DASPOS A/S learned from each other making it a solid and reliable early warning system.

Overall the system is well received by the watch keeping engineers and give them a piece of mind that the system is helping to assure a safe environment.

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