

LAS-10



Preventing disaster

Fires on board ships can turn into an environmental disaster with catastrophic effects to the ship and cargo in the blink of an eye. And what's more, if prompt action is not taken, they can quickly grow to threaten the lives of crew and passengers. Crews and shipowners already know how to fight fires. What they need is faster threat detection. In other words, considering the severe consequences of a fire, the ideal solution is to avoid having to put firefighting skills to the test at all. This is where the DASPOS Leakage Alarm System comes in.

Saving lives

The DASPOS Leakage Alarm System LAS-10 system does not just detect a fire after it has started. It prevents the fire from occurring in the first place.

Saving money

When human life is at stake, return on Investment is not in the top of the list of priorities, as is right. However, it is impossible to ignore the fact that a fire on board a ship can cost over USD 200,000 per minute.

This means that when the DASPOS Leakage Alarm System has prevented just one minor fire that would have lasted less than half a minute, the whole investment is paid back.

Making a difference

Unlike traditional products that passively detect fires after ignition, the LAS-10 actively detects fires before they happen, protecting the open engine room against oil spills and spray gases from oil being led to the engine or from hydraulic pumps. No other solution on the market combines the two detection methods of the LAS-10. Or, at the very least, uses differential pressure as an indicator of fire and explosion risk. Moreover, the system's use of large air flow is a much quicker indicator of potential risk than previously seen with other detection systems that rely on light reflections or use just a fraction of the air flowing through the detector for analyses.

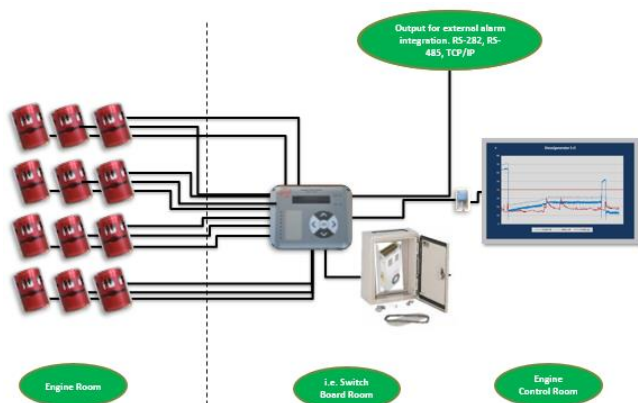
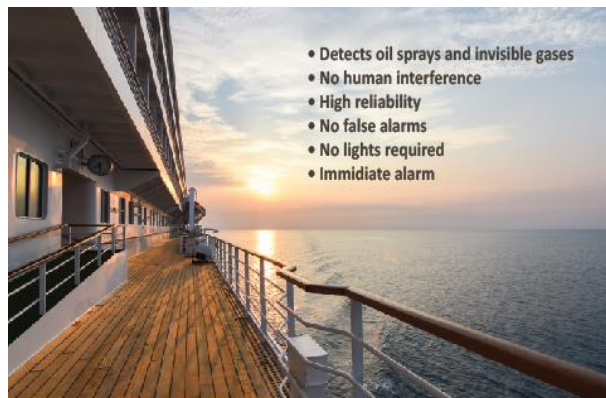


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The product

The LAS-10 helps secure open engine rooms against the risk of fires caused by oil sprays and gases. Unlike traditional products that passively detect fires after ignition, the LAS-10 actively detects fires BEFORE ignition.

This protects the engine room against oil spills and spray gases caused by oil being led to the engine or from hydraulic pumps.



How it works

Two-thirds of all fires aboard ships start in the engine room. The LAS-10 Leakage Alarm System was developed for large spaces in which oils and gases are transported through pipes and hoses – in other words – open engine rooms on board ships.

The DASPOS Leakage Alarm System continuously monitors the atmospheric air in the engine room for hazardous oil fumes and gases by analyzing the densities of both oil sprays and gases in a very heavy flow of air, and alerts the crew about the risk of fire in due time... BEFORE ignition.

The Team

DASPOS was founded in 2010 by Torben Jørgensen and Lars Gerner who took the product from conceptual level and brought it onto the market. LAS-10 has been tested and validated by the Technological Institute on board the worlds' largest container vessels. The LAS-10 was launched in 2011 and has since then safeguarded several very large ships in very estimated fleets worldwide.

Approvals

The LAS-10 system / product idea has received awards from The Danish Ministry of Business Affairs and is supported by The Danish Maritime Fund.

DASPOS was nominated for Entrepreneur of the Year 2012, and won the price for fastest growing company in Denmark in 2017.

LAS-10 is type approved by Lloyds Register and DNV/ GL.

