



**AUTRONICA**

United Technologies

Thinking new thoughts is  
part of our job.  
This is how we create the  
products that make you feel safe.

Total fire and gas safety

IN THE MARITIME MARKET



MARITIME

We take safety at sea seriously

# ONE COMPANY – TOTAL FIRE AND GAS SAFETY

By Kai Thronæs  
Sales and Marketing Director  
Maritime Division

Since the start in 1957, we have set new standards for fire safety by continuously providing new technology and solutions to ensure the safest seas possible – always.

We have been in this business for over 50 years, as a leading innovator, manufacturer and supplier of fire and gas detection and suppression equipment for all kinds of vessels worldwide. Our brand is a by-word for reliability, flexibility and technical advancement on more than 12 000 vessels around the world. From our base in one of the world's great maritime nations we develop, manufacture, engineer and market our products; our unique position, controlling all phases in delivery from start to finish, mark us as an ideal partner in fire safety.

Our product range is specially developed to meet the most demanding market segments in the world, and we target high complexity vessels like cruise, LNG, LPG, FPSO, RO-Pax and similar. The petrochemical, oil and gas market is another important benchmark regarding standard, quality and life cycle cost. We also use the same equipment to cover high-end industry

onshore like the power sector, hospitals and high-end hotels. Where people sleep or consequential damages are likely to be high, we have a top end solution – anywhere!

The maritime division is expanding its footprint globally and have recently established new offices in China, South Korea, USA, Malaysia (Singapore), UAE and Denmark. And more countries will follow in near future. We are also adding a number of already experienced distributors to our network of certified service providers to ensure that we are closer to your vessel once service is required. We take pride in making sure that living with your investment is a positive experience in the 20-25 years to come, and encourage owners and operators to think life cycle cost.

If you consider using our solutions on any type of vessel: we have a solution that will meet, and most likely exceed your expectation and the class requirements. You simply get what you pay for.



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Where people sleep or consequential damages are likely to be high, we have a top end solution – anywhere!

Kai Thronæs





# A WORLDWIDE COMPANY

Autronica Fire and Security AS is a leading innovator, manufacturer and supplier of advanced sensors and systems for fire detection and measurement to the maritime industry. The product range includes fire detection systems, integrated safety and emergency management systems, suppression systems and special detection. Services offered includes system design, project management, installation and commissioning, after sales service and training.

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Our Maritime Division have sales offices covering the following areas:

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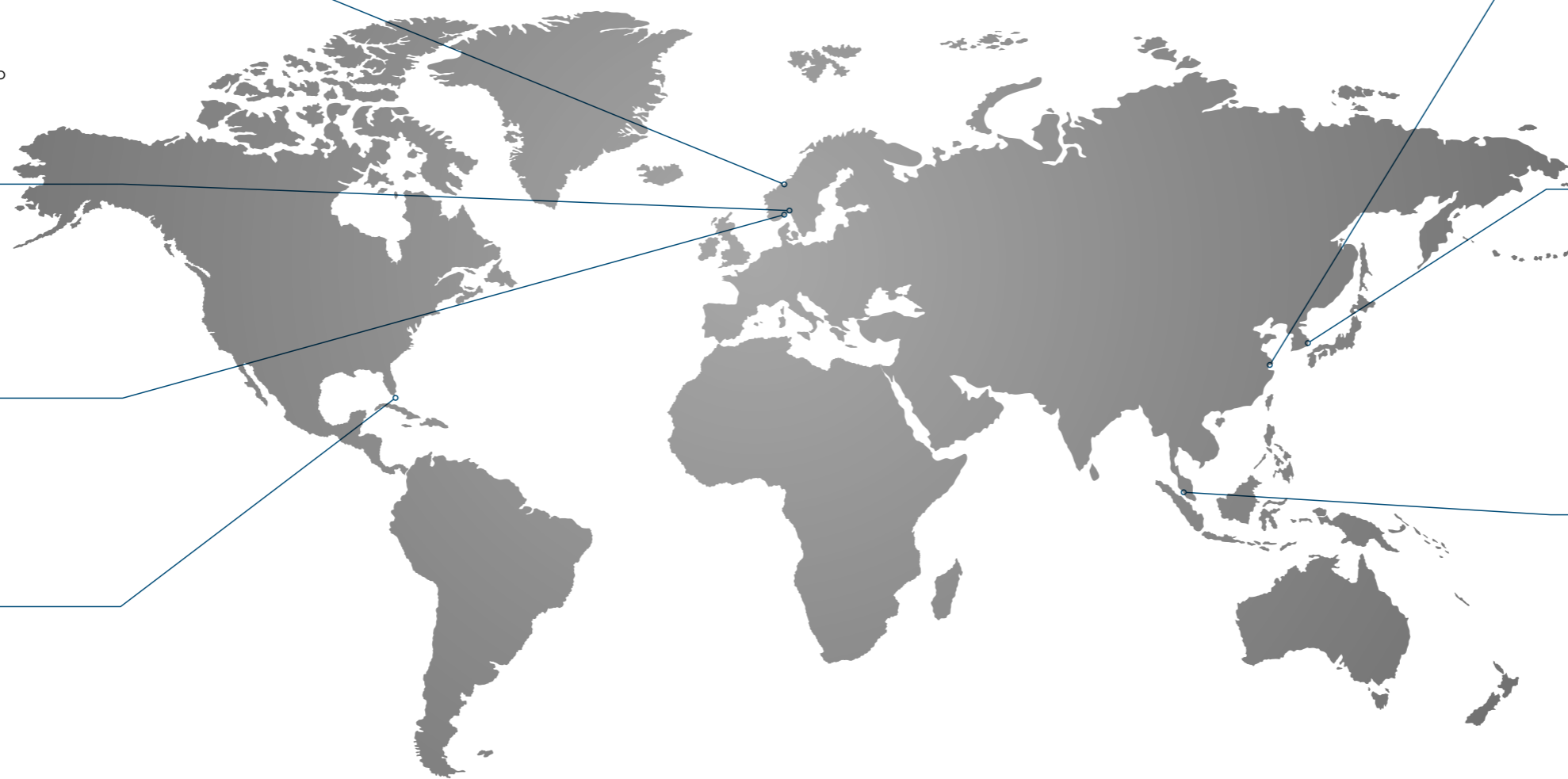
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## OUR PRODUCTS



### Fire detection

Autroprime is the perfect choice to protect small-to-medium-sized vessels from fire related incidents. The overall simplicity and cost-effective solutions have proven to be a success that exceeds our customer's expectations.

AutroSafe is a distributed, interactive fire detection system developed for medium to large sized installations such as cruise vessels. The system is designed to meet improved standards (e.g. amendments to the maritime SOLAS standard named Safe Return to Port) as well as new challenging customer requirements. Redundant solutions bring a new dimension into fire detection system design and make it possible to increase the level of fire protection. AutroSafe supports a wide range of Autronica and third-party detection devices, allowing flexibility and accuracy.



### Integrated safety and emergency management

AutroMaster ISEMS is an Integrated Safety and Emergency Management System offering extended functionality to make sure you are in control in case of an emergency. It is maybe the most powerful management systems available to the maritime market today.

AutroMaster Maritime Edition is a unique control and monitoring system covering your basic fire management needs. This system is dedicated to communicate with the fire detection system, and is certified according to IMO/SOLAS requirements in addition to several classification companies.



### Suppression

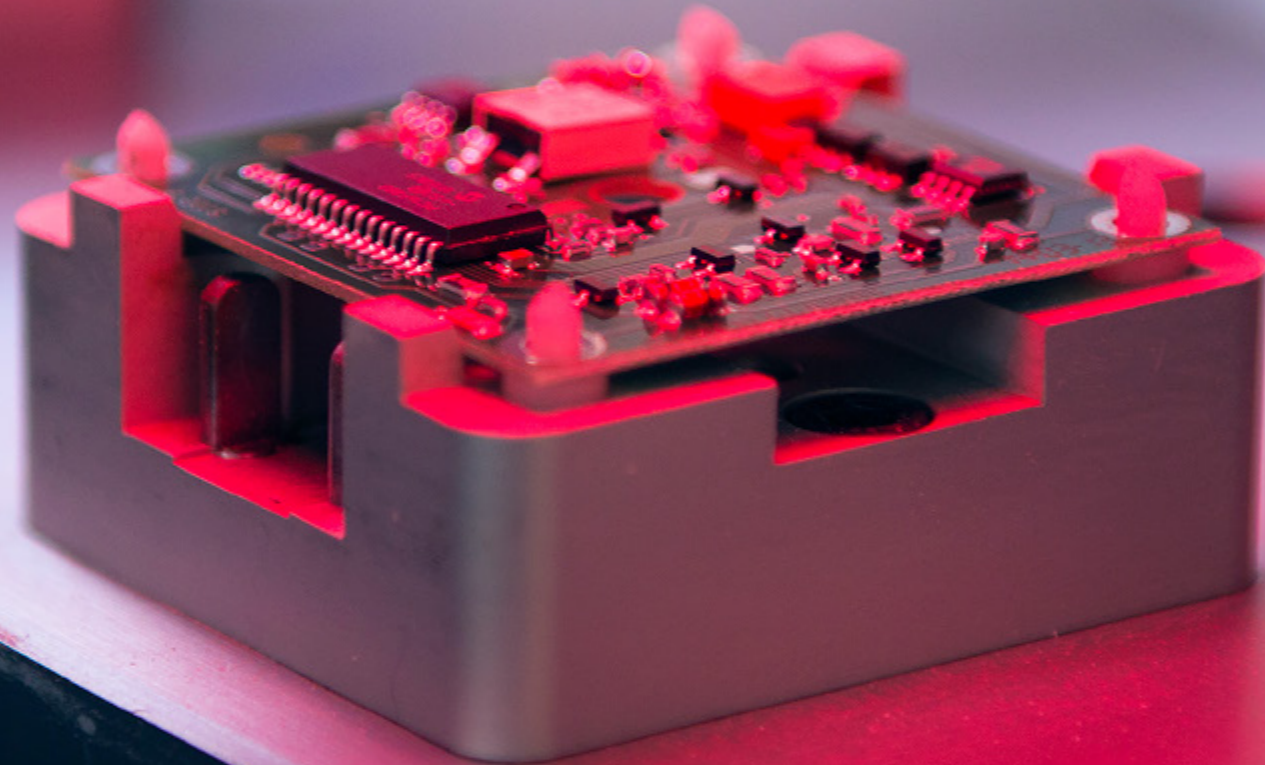
Autronica provide the low-pressure water mist system FlexiFOG, foam, and gaseous suppression systems based on CO<sub>2</sub>, Novec 1230 and Argonite for any suppression need on board. Integration of all the fire-safety equipment ensures that the correct response is made automatically; the integration of fire detection and suppression is a logical step. It can be difficult to get equipment made by two different suppliers to work together in a satisfactory way, and costs and installation time increase accordingly.



### Special detection

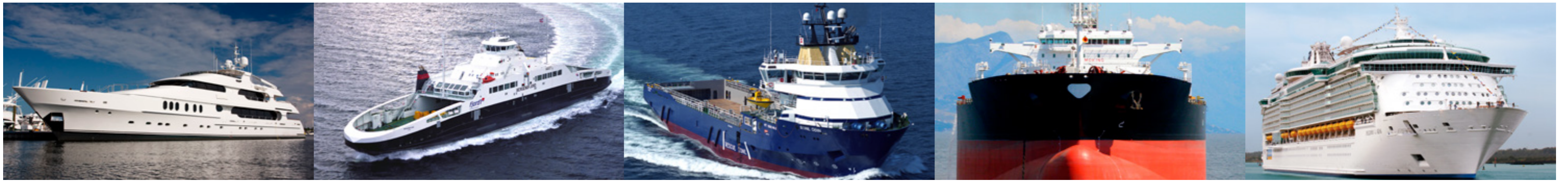
The Omicron systems by Autronica include high level/overflow alarm systems, gas detection systems, tank and vapour pressure systems, temperature alarms and calibration equipment. Since delivery of the first generation independent high level system in 1989, we have developed a range of high-tech systems for the shipping and offshore industry.

The systems are designed to attract minimum maintenance overheads. We deliver reliable, service-friendly systems to meet owners' and regulatory requirements. The systems fulfil IMO, IACS, EC, USCG and classification societies' regulations.



# SOLUTIONS FOR ANY VESSEL

Autronica is the way to go when protecting your vessel from fires. We can supply a complete range of fire/gas detection and suppression systems, covering every maritime application, from superyachts to large cruise ships.



## Superyachts

- ✓ Autoprime/AutoSafe interactive fire detection system
- ✓ FlexiFOG low pressure water mist system for accommodation areas and as total flooding in engine spaces
- ✓ AutoMaster fire management system monitoring both fire detection and suppression
- ✓ Gaseous based fire suppression systems for engine rooms

## Ferries

- ✓ Autoprime/AutoSafe interactive fire detection system
- ✓ FlexiFOG low pressure water mist system for accommodation areas and as total flooding in engine spaces + local protection
- ✓ AutoMaster fire management system monitoring both fire detection and suppression
- ✓ Gas detection for LNG powered engines
- ✓ Foam systems for protection of car decks

## Supply ships / Research ships

- ✓ Autoprime/AutoSafe interactive fire detection system
- ✓ FlexiFOG low pressure water mist system for accommodation areas and as total flooding in engine spaces + local protection
- ✓ Foam system for protection of helicopter deck
- ✓ Gas detection for LNG powered engines
- ✓ Gaseous based fire suppression systems for engine rooms

## Tankers / Bulk Carriers

- ✓ Autoprime/AutoSafe interactive fire detection system
- ✓ Gaseous based fire suppression for engine rooms
- ✓ FlexiFOG low pressure water mist system for protection of high risk areas
- ✓ Omicron gas detection systems

## Cruise ships

- ✓ AutoSafe interactive fire detection system
- ✓ FlexiFOG low pressure water mist system for accommodation areas and as total flooding in engine spaces
- ✓ AutoMaster fire management system monitoring both fire detection and suppression
- ✓ AutoMaster Integrated Safety and Emergency Management system
- ✓ Gaseous based fire suppression systems for engine rooms



**Proven excellence:** Autronica products undergo an extensive certification process, and we hold certificates on our products from these classification societies.



Autronica is a leading innovator, manufacturer and supplier of fire, safety and maritime measuring equipment worldwide.

Our products ensure safety in applications on land, sea and in the petrochemical, oil and gas sectors.

Owned by United Technologies Corporation (UTC), Autronica employ more than 450 people handling the complete value chain, from idea, development and manufacturing to the marketing, sales and servicing of our products.

We are an international company with worldwide offices and our HQ is located in Trondheim, Norway's technology hotspot.



**Thinking new thoughts is part of our job.  
This is how we create the products that  
make you feel safe.**

More than fifty years ago, we invented the very first fire alarm as you know it today. Since then we have turned it upside down several times – and still we continue to make new revolutions. Our goal has always been that people should be able to think less about what matters most; safety.

We know that our products are amongst the best in the world, but we also know that the best products can always get better. We continue to develop and we are able to say with conviction, that we protect life, environment and property.





## Everyone needs to sleep safely at night. Especially those who haven't seen shore for days.

We protect lives every day – and the best part of it is that no one notices. Our equipment is installed on thousands of vessels all over the world, ensuring that tens of thousands of crew and passengers are safe.

The products we make are among the best in the world, yet still we keep working to create something that is even better. This makes us not only a preferred supplier of fire safety systems, but a participant that continuously raising the standards for safety at sea.