

Cut your maintenance costs ...

- choose AutoSafe SelfVerify,
the only fire alarm system
that checks itself!

Tomorrow's technology today
Once more, Autronica is at the forefront of technology and innovation. We are proud to present the first system that literally takes its own pulse.

The necessity of reducing high maintenance costs, especially in off-shore applications, encouraged Autronica to spend a lot of time and effort on developing this new and unique technology.

We named this technology AutoSafe SelfVerify, because the system actually verifies itself. Every day the system completely checks all detectors, interfaces, connections and cables – from detector chamber through to alarm output.

No more time-consuming inspections
Until now, fire alarm systems have depended on careful manual inspections, which involves a number of inherent problems. For example, the detectors may be out of reach, the service engineer may not have access to particular areas, the detectors may not have been installed according to plan...

Manually testing with gas or smoke is not reliable. Test gas or smoke is rarely used in calibrated quantities, and even a faulty detector will eventually react if its chamber is filled with enough smoke.

AutoSafe SelfVerify solves all such maintenance problems; time-consuming and costly physical testing is no longer necessary: the system does the job for you.

The unique SelfVerify technology was initiated by and developed with the support of NTNF's (The Research Council of Norway) KAPOF programme and major international oil companies; ELF, BP, AMOCO and ESSO.

AutoSafe SelfVerify is developed for world wide standards and regulations, and conforms with the C.E.N. regulations EN-54.

Reactivity and sensitivity testing
AutoSafe SelfVerify not only tests whether a detector is capable of provoking an alarm – it even verifies the sensitivity of every detector with a calibrated signal. The system ensures that each detector will always respond to the correct alarm level. In the event of any irregularities, the display on the operating panel will pinpoint the source of a problem clearly and concisely.

Optimal detection –
24 hours a day!
This new technology gives you the safest and most reliable system ever – a system ensuring optimal detection 24 hours a day!

AutroSafe DYFI+ eliminates false alarms...

- and ensures earliest possible detection!

- to most system suppliers this statement sounds like a contradiction...

Outstanding digital filter technology DYFI

In 1989, Autronica introduced the first analogue-addressable fire alarm system to the world market, using advanced digital filtering algorithms; this was termed DYFI (DYnamic Filtering process).

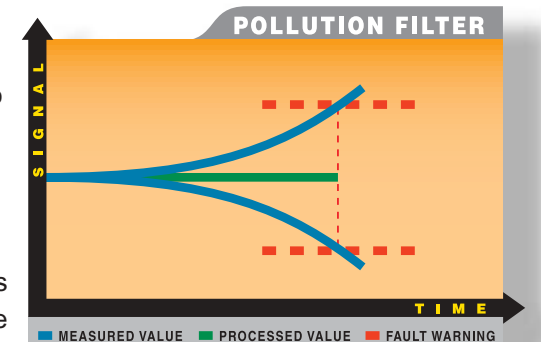
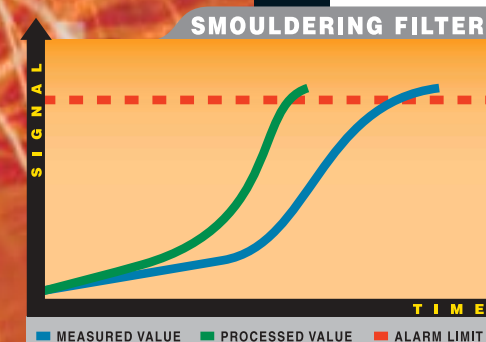
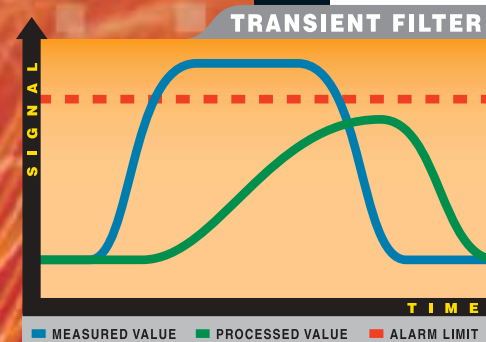
Since then, this technology has proved its worth when it comes to minimizing false alarms and ensuring early detection. It has repeatedly confirmed its leading position in the market. Reliable statistics prove the average number of false alarms have been reduced by 70% by using DYFI technology.

Autronica launches DYFI+ Building on the success of DYFI, Autronica has developed the next generation of digital filtering technology: DYFI+. False alarms

are virtually eliminated and the system provides the earliest possible warning of a potential fire, before it becomes a problem.

To most system suppliers, this sounds like a contradiction, but with the improved DYFI+ the system is capable of achieving both these important features – giving you an optimal result.

Interactive detectors with intelligence DYFI+ digital filtering is now present in each detector. This means that each individual detector processes detector signals with even greater accuracy than before, and detects temperature and smoke variation faster than ever.



The simple and cost-effective network solution for site-wide systems...

– with all options open for the future!

AUTROLON - the distributed network with maximum flexibility
The new AUTROLON communication bus enables networking of all AutoSafe panels, detectors and interfaces in a simple way to form a complex, distributed and totally interactive system.

AUTROLON enables simple and cost-effective installation and configuration, delivering a flexible solution which can be adapted to the individual requirements of any building.

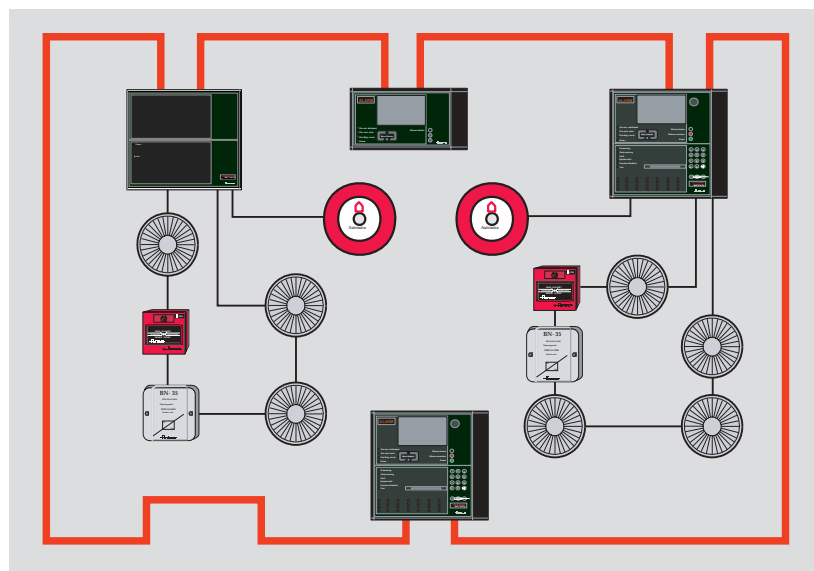
The network for individually tailored solutions
The network solution allows control and operation from additional operating panels, and control from controllers. Panels can be placed where they are most accessible, so that you are never far away or cut off from an operating panel.

Network information can be controlled and selectively routed to particular locations. In every case, the user will have a system which is tailored to their specific needs.

AUTROLON ensures maximum security
All panels and interfaces will continue to operate even with a single break or short-circuit on the AUTROLON.



FOTO: IMAGE BANK, NPS



Retrofitting and future expansion
The fact that the system allows the use of existing cabling makes retrofitting and future expansion of AutoSafe simple and cost-effective.

No subsequent, costly re-installation or modifications are needed. The AutoSafe system is totally distributed, allowing further connections and expansion by simply adding units to the existing ring. AUTROLON is therefore particularly suited to sites that are geographically widespread or where

building or refurbishment is planned in phases.

AUTROLON – a cable-saving bus technology
The system's network solution, plus the fact that input/output units and electronic sounders can be connected directly to a detector loop, substantially reduces the amount of cable used. Compared to centralized systems, AutoSafe networking can reduce cabling costs by up to 30%.

AutroSafe provides the complete range of interactive detectors and interfaces....

- for any application!

A new generation of interactive detectors

Decades of research, development, experience and know-how in the field of sensors has made Autronica the preferred supplier for the most demanding customers world-wide. We develop and deliver complete systems, ensuring the optimal utilization of and interaction between detectors/interfaces and fire alarm control panels.

The new comprehensive range of interactive low-profile detectors revolutionizes modern sensor technology and is striking proof of Autronica's technical leadership in this field.

AutroSafe detectors cover all applications

In addition to Autronica's unique and reputable range of gas, flame, beam and aspirating detectors, AutroSafe offers the choice of the following three main series;

- series 200 standard analogue interfaces
- series 300 with SelfVerify, analogue interfaces
- series 500 with SelfVerify, designed for use in heavy-duty applications and with Ex equipment.

The system also offers a full range of Ex ia-approved services intended for high-risk applications.



Whenever you're in doubt, choose the MultiSensor detector! The new, highly advanced MultiSensor detector possesses impressive advantages. In situations where it may be difficult to choose the correct type of detector, the use of this all-round detector will guarantee reliability. It ensures the optimal detection, and eliminates false alarms.

Furthermore, there is no longer any reason to use ion-chamber smoke detectors. Due to contamination from radioactive isotopes, storage and destruction of these detectors is prohibited in many countries. By choosing the MultiSensor, such problems are eliminated.

Detectors and interfaces can be mixed freely
The wide range of AutroSafe interfaces comprises addressable electronic sounders, manual call-points, loop interface units, fire alarm interface input and output units, plus Ex-interface units.

All detectors and interfaces can be mixed freely, and connected at any point on the detector loop.

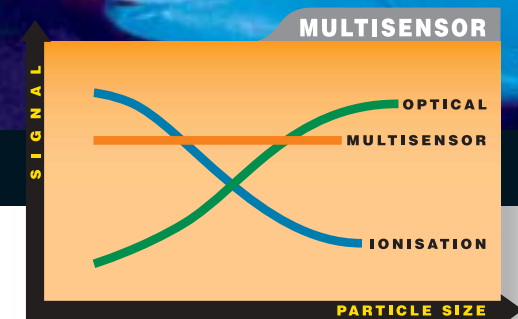


FOTO: IMAGE BANK, TORSTEIN DALEMARK

Each AutoSafe detector is born with a unique identity

– ensuring the quality of system commissioning and updating

Automatic addressing – the advantage of uniqueness
 AutoSafe's automatic addressing boasts advantages that customers have been waiting for. Its unique principle ensures the quality of commissioning and expansion of systems.

An AutoSafe update is a reliable update
 AutoSafe has definitely made updating reliable: all changes in detector loops are immediately registered by the system. The problems associated with double-addressing are completely eliminated.

Unique serial numbers
 During production, each AutoSafe detector or interface is given a unique serial number which stays with the detector for its entire lifetime. This serial number identifies the type of unit and its default settings. When powering up the system, each

detector will automatically register its position within the individual loop.

Until now updating has been time-consuming...
 Very few buildings remain static; renovation work or expansion is often required, and for many systems, this process means time-consuming system reconfiguration. With AutoSafe, however, it is far simpler...



Adding detectors will not change any data or individual settings on existing devices.

When a detector is replaced, the new detector will automatically adopt the original detector's parameter settings and data, and thus maintain the optimal level of detection that was established with the previous detector.

No switches have to be set, and no addresses have to be programmed. Full system configuration is carried out via a service computer.



AutroSafe pinpoints an event clearly and concisely...

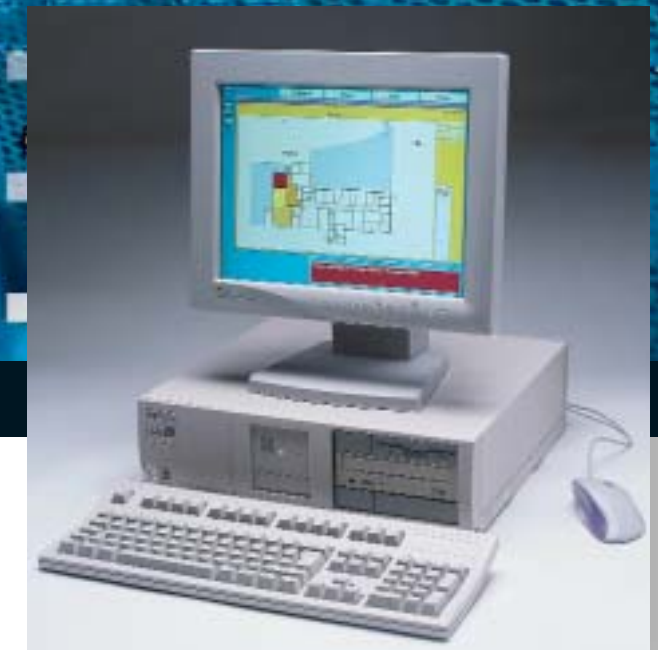
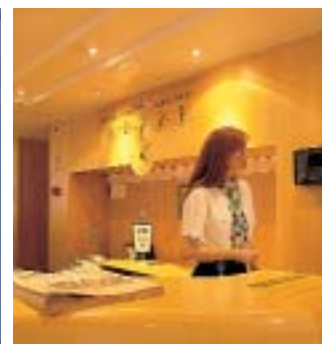
– so you always know precisely what is going on – and where!

Large and clear displays
The AutroSafe operating and information panels are designed for ease of use. Each panel provides a large and crystal-clear alphanumeric display, allowing messages to be read easily and reliably, even in the dark.

The panels ensure an optimal overview of the current situation. In the event of a fire alarm, the precise alarm location is identified immediately and clearly. Detailed information about zones and detectors are indicated and pinpointed in plain text.

Panels placed wherever they are needed
The information and operating functions that are required at different locations in a building may vary, depending on the building structure, the geographical site or how the company is organized.

To achieve greater flexibility, AutroSafe provides both operator panels, information panels and separate controllers. These can easily be connected to any point in the network, with minimum cabling.



Selective information routing
In the event of a fire alarm, reaction time is paramount: exact and clear information is of vital importance.

AutroSafe allows information to be selectively routed; all panels can be configured to listen and respond selectively to network data. Information routed to a specific location is segregated; only relevant information necessary for this location is shown.

AutroMaster – the world's leading colour graphic monitoring and presentation system
The AutroMaster 5000 system enhances monitoring and operation of the AutroSafe System. Information from all operating panels can be presented on a computer monitor. The system provides a custom-tailored and fully dynamic colour graphic presentation, allowing you to follow and react to the development of a fire by observing the colour changes.

An AutoSafe detector is adaptable to the environment

– and always ensures optimal detection!

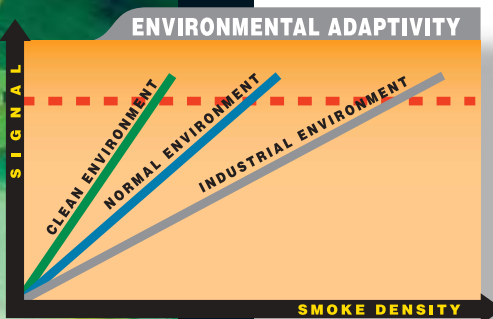
AutoSafe detectors have a sensitivity setting to match any environment!

AutoSafe detectors can be programmed to one of three different sensitivity settings, covering the following environments:

- clean environments, for example laboratories, data rooms, etc.
- normal environments, for example offices and hospitals, etc.
- industrial environments, for example, factories and warehouses, etc.

By choosing a sensitivity setting that suits the environment, it is possible to achieve a more accurate and reliable system providing optimal detection, while virtually eliminating false alarms.

All three sensitivity settings comply with the C.E.N. regulations EN 54.



Autronica Fire and Security AS has been developing fire-detection equipment since the 1950s — 40 years of unparalleled experience in development, production and maintenance of fire-safety equipment.

World-wide, Autronica fire-detection systems are protecting life and property on land, at sea, in industrial and more general applications; these systems can be relied upon because they are developed in close cooperation with customers, classification societies and research institutes. As a daughter company of Kidde plc., Autronica Fire and Security passes on the benefits of a vast international research-and-development network to its customers.

Innovation is expected at Autronica Fire and Security and core Autronica technologies include unique solutions to difficult problems. Our innovations include technologies that reduce unwanted alarms based on an understanding of the non-fire incidents that bring them about. Other technologies provide constant, automatic maintenance routines, reducing costs at the same time as ensuring that the system is in perfect working order.

Autronica products include addressable, interactive and conventional fire-detection systems, as well as a wide range of detector points/manual call-points suited to every conceivable application. Additional products come in the form of service-tools and graphical presentation and control systems. Whatever the requirements, Autronica Fire and Security can provide a complete fire-detection system.

As an ISO 9001 certified company, Autronica Fire and Security has understood the importance of immediate, qualified service, which means that you can rest assured that wherever you are in the world, a qualified Autronica service representative is waiting.

Irrespective of the application, choosing an Autronica product means that you really are protecting life, environment and property...



Autronica Fire and Security AS
 Haakon VII's gate 4, N-7483 TRONDHEIM, Norway
 Tel.: (+47) 73 58 25 00 • Fax.: (+47) 73 58 25 01
 E-post: info@autronicafire.no
www.autronicafire.no



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