

EXPERTS
IN FIRE
PROTE
CTION



The Elbphilharmonie in Hamburg
relies on fire protection technology
from Minimax.

We go through fire
and water to secure
the places you love.

This may be your favorite shopping mall,
soccer stadium, a car plant, solar power
station, research center or even a cruise
ship, wherever they are in the world.

This passion spurs on our innovative spirit – day in, day out ...

Full of curiosity and a thirst for research,
we develop game-changing innovations
in fire protection – spanning fire sprinklers
and intelligent fire prevention systems to
highly complex fire detection equipment.

At our “Fire Protection Research
Center” in Bad Oldesloe, we test our
developments in one-to-one trials.



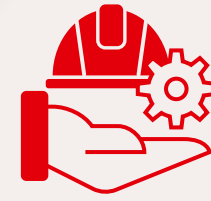


... and introduces groundbreaking ideas

We design custom solutions for your fire protection system and provide an extensive range of post-installation services – 24/7. This allows you to focus on what you do best without the worry.



Manufacturing



Service / Modernization



Research / Development



Installation



Project Management

Minimax is your expert in fire protection

Full-service partner: Minimax provides a unique range of approved and innovative fire protection systems and components that are developed and manufactured in-house. With our integrated solutions, you can rest assured that you are on the safe side – from planning and project management to the installation and follow-on services.

Minimax has been one of the leading brands in fire protection for 120 years. For you, we make safety a matter of course.



Wood processing plant Arauco based in Grayling, USA relies on fire protection technology from Minimax.

Solutions

Recycling companies or power plants, retail outlets, ships or logistics centers – every sector and each building require specific fire safety solutions. Our expert teams have many years of experience and conduct every project on an individual basis.

Industry

Even minor fires can paralyze complete production plants. Significant fire risks are inherent in industrial surroundings owing to raw materials and their processing. Furthermore, production facilities, open construction methods, and the close physical links between production areas can all contribute towards the rapid spread of fire.

Steel works and automotive plants, sawmills, paper manufacturers and printing companies, food producers

Marine

Ships and offshore installations have safety needs that are above-average due to the special conditions out at sea. After all, no quick escape is possible, and outside help in firefighting cannot be expected.

Tankers and bulk carriers, container ships and cruise ships, offshore facilities

Energy

It only takes damage caused by fire to a minor area of a power station to endanger the entire electricity supply. There is an abundance of fire risks: lubricating oils that have leaked and ignite when they come into contact with hot surfaces, technical defects such as short circuits, or overheated turbines can ignite a fire.

Gas plants and steam power plants, coal power stations, wind turbines and recycling facilities



1

1 thyssenkrupp Steel

2 Gemeinschaftskraftwerk
Bremen (power plant)

3 Neptun Werft Rostock
(shipyard)



2



3



1 Deep-freeze warehouse of Coppenrath & Wiese



2 Zugspitze mountain terminal



3 Data center

Commercial real estate

Publicly accessible buildings require extensive personal protection concepts in terms of fire safety. Fire risks that occur in stores are often the result of short circuits in devices or lighting. In logistics centers, on the other hand, the challenge is the density of stored goods in small areas.

Logistics centers, shopping malls and retail outlets, offices and administrative buildings

Infrastructure

Physical safety is also top priority in buildings pertaining to infrastructure. In "semi-public" offices, people may also cause fires by, for instance, careless disposal of cigarettes or even arson. But short circuits in lighting or technical equipment (data center) can also be the cause of a fire.

Data centers, hotels, research institutes, hospitals

Technologies

We provide the full range of approved fire protection systems and components. These meet the highest requirements and can be combined to form effective and efficient overall solutions.



Manufacture of innovatively enhanced pipes in the ultra-modern factory of our sister company MV Pipe in Wittenberge.



Water extinguishing systems

Water is the most natural of all extinguishing agents and is usually available in sufficient quantities at a reasonable price. Its extinguishing effect is based on its heat retention capacity. Water mist systems disperse the extinguishing water very finely through special nozzles and sprinklers and / or increased operating pressures. Thus the overall surface of the extinguishing water is increased, enabling it to absorb heat and evaporate faster. The related cooling and smothering effect makes it possible to fight fires in a particularly effective way.

Foam extinguishing systems

In the event of a fire, foam extinguishing systems spread large-scale foam blanket through foam pipes, foam monitors, sprinklers or nozzles. The foam covers the burning material, extinguishes the fire and serves as a deterrent against reignition. Foam extinguishing systems are suitable for protecting high-risk areas, e.g. due to flammable liquids or plastics.



Gas suppression systems

Gas-based suppression systems fight fires without side effects and without leaving extinguishing agent residues, even in areas beyond the reach of sprinklers. The extinguishing effect is based on the replacement of oxygen by the inert gases argon, nitrogen or carbon dioxide as well as by heat extraction through synthetic gases.

Fire prevention systems

Fire prevention systems reduce the air oxygen content in the protection area through a controlled supply of nitrogen to create a "fire-safe" atmosphere. Depending on the deployed fire prevention system, the development of the "fire-proof" atmosphere is either permanent or on-demand.

Spark extinguishing systems

Spark extinguishing systems detect initial ignition in suction and conveying systems and produce instantly a water curtain with their automatic extinguishing feature to smother smoldering particles. These systems are recommended for use in areas where combustible materials are transported pneumatically and where there is a high risk of fires or dust explosions due to sparking or smoldering particles.

Compact suppression systems

Small extinguishing systems often resemble large extinguishing systems in their structures. They are not defined by a certain extinguishing agent, but are rather characterized by their compact and precise designs, which make them particularly well suited for certain applications, e.g. within devices such as large screens or server racks.



Fire detection systems and suppression control

All signals converge in the fire detection control panel. It reliably provides the responsible authorities with all relevant information. In many cases, fire detection technology is also used to control and monitor the functioning of all the fire protection equipment.

Hazard management system

The Inveron hazard management system is a clear and user-friendly system for visualizing and operating fire detection, fire extinguishing and hazard detection. All notifications and events are automatically merged in a user interface and presented on a screen. Inveron offers ideal monitoring, particularly for extensive, complex building structures.

Service

Regular checks of fire detection, fire extinguishing systems as well as corresponding maintenance are important preventive measures, in order to permanently ensure functionality.

The Minimax Service Team ensures that all necessary and prescribed tests on your fire protection systems are carried out correctly and on time.

Our range of services also includes targeted modernization measures and programs, so that you are always up-to-date in terms of safety, convenience and operating costs.

With Minimax service and modernization, you are comprehensively supported, even after commissioning.





Driving innovations
– saving lives?

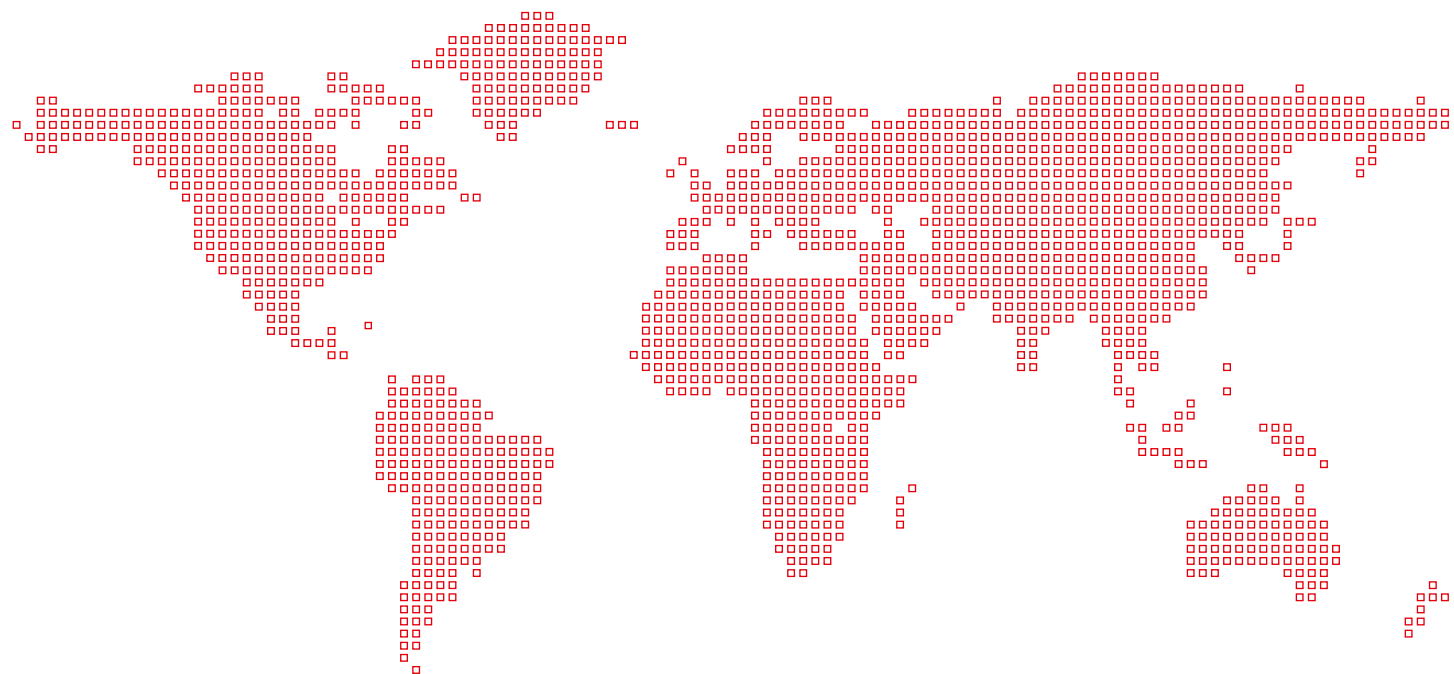
**Safe
and sound:
MINIMAX**

Careers

What turns a good job into a vocation?
We reckon: One that gives you pleasure
and that you are passionate about
– plus the feeling of doing something
worthwhile.

When it comes to fire protection, we assume responsibility. After all, together, we protect life and all the things that are close to our hearts. Each new day brings something different for us with new and challenging tasks and activities. Thinking outside the box, finding solutions and getting to grips with tasks – this is quite normal for us, irrespective of whether you are based in the office or on a building site.

We aspire to going that extra mile. And our customers and partners know this too.



We are always nearby

As part of the Minimax Viking Group, we are at home worldwide. Please visit our website www.minimax.com and find all our locations and contacts for your concerns.



Active throughout
the world



Extensive portfolio of
products and services



More than 70 fire
protection companies



In-house research and
development facilities



Approximately
9,500 employees



Annual turnover of
1.9 billion euros

Photos:

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