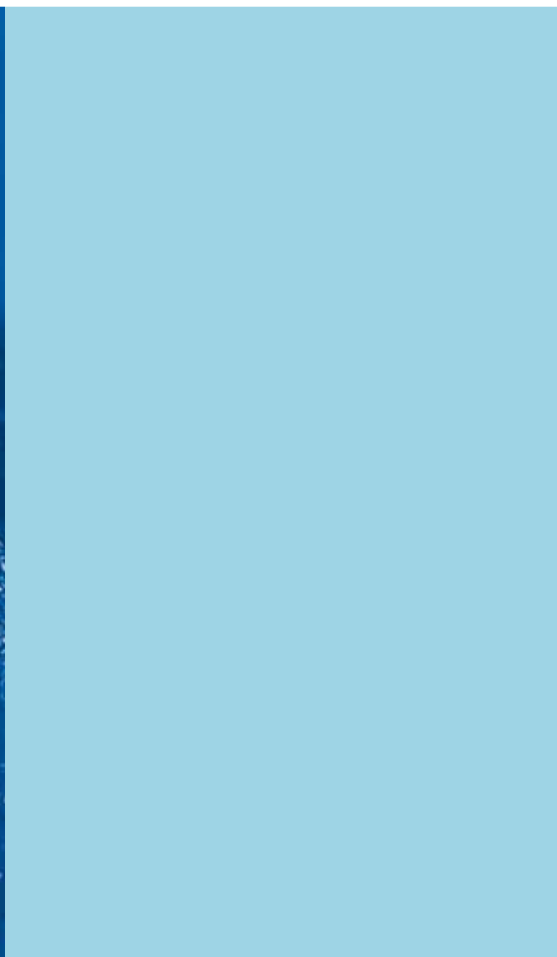




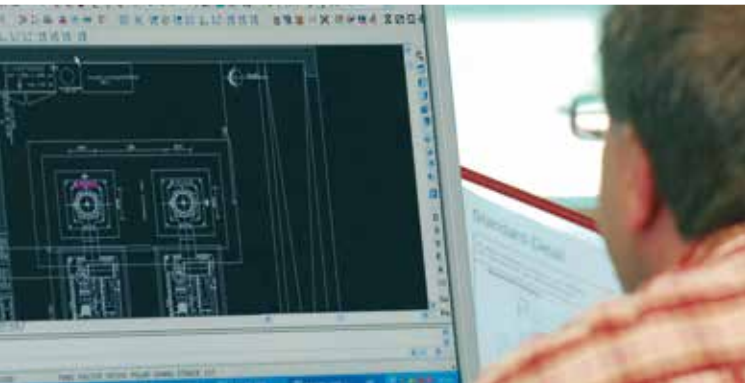
**Fire Protection
Solutions**



Our service. Your protection.
Safety: Even when things are on fire.



“This is what sets our company apart: many years of experience and the certificate of ‘Trust through Security (VdS)’ as a recognised installer of stationary fire safety systems.”



Services from a single source

We accompany our clients from consultation to installation – and far beyond. With our network of subsidiaries spanning all of Germany, 24-hour on-call readiness and our service hotline, we are ready to go at any time and everywhere. Our service vehicles carry all current replacement parts on board. Other replacement parts are available from storage. And the detailed archival of all data relevant to the system ensures a rapid response.

Consulting & Planning

We can handle any task and develop the ideal solution for our customers. Detailed planning and precision prefabrication ensure peak efficiency on-site.

Production

We prefabricate pipeline networks in our production facilities in Sarstedt. Robotic welding machines guarantee manufacture and processing with extreme precision. We can even meet custom requirements for surface treatment – rust protection primer, painting or high-quality powder coating.

Assembly

Our qualified assembly team guarantee on-time installation. If there are still questions on-site, the general foreman is always available. Complete system and acceptance documentation delivered to the customer complete the work successfully.

Service / Emergency Service

Breakdowns and emergencies do not keep business hours. So we see it as essential for us and our company always to be reachable for our customers – round the clock and 365 days a year!



**24-hour
Service | Emergency service
on 365 days**

Helsingor
CALANBAU
Fire Protection Solutions



-  **CALANBAU**
Fire Protection Solutions
-  **GOTTSCHALK**
Fire Protection Solutions
-  **GFA** Fire Protection Solutions
-  **IBS** Fire Protection Solutions
-  **NOHL**
Fire Protection Solutions

Intelligent solutions for every case.



We offer the perfect solution for every location. Warehouse, office building, hotel or production hall – our company can develop the right fire protection for any property:



Sprinkler Systems

Due to selective triggering, sprinkler systems extinguish only where there is actually fire. The fire is detected and fought simultaneously – even in areas at risk of freezing or deep-freeze units.



Spray Water Extinguishing Systems

Ideal for wide-area fire-fighting: The open extinguishing nozzles supply the entire area of alarm groups immediately after triggering.



Foam Extinguishing Systems

Hazardous goods as risk factor: Warehouses for hazardous goods or ignitable fluids are at particular risk. Extinguishing foam makes use of different extinguishing effects, such as cooling, suffocation or insulation.



Fire Alarm Systems

Fire alarm systems for the early detection and triggering of extinguishing systems ensure rapid fire-fighting. Highly sensitive sensors react at the first sign of a fire, sending the alarm to the central panel of the system.



Hydrant Systems

Rapid, effective water supply is essential for stationary fire protection. This is guaranteed by the hydrant systems that round out our product pallet.



Spark Extinguishing Systems

Production installations harbour a high risk of fire and explosion, owing to the processing of combustible materials. Particularly susceptible in this regard are dust and swarf hoppers, filter systems and production machinery. Fire protection for this type of risk is implemented within pneumatic extraction and conveyor units by means of a spark extinguishing system.



Gas Extinguishing Systems

It is precisely high-value objects, valuable machines, IT systems, rooms with built-in electrical equipment or raised cable flooring that make a gas extinguishing system practical for avoiding collateral damage.



Pipeline Prefabrication

Our in-house production facilities in Sarstedt contribute to flexibility on the construction site and short installation times. We can offer you the prefabrication of complete pipeline networks for sprinkler systems to your individual specifications.



“We need solutions that offer maximum safety without losing sight of cost, that work in a targeted, safe manner and that prevent secondary damage in case of fire.”



Should one of our conventional fire protection systems not be the perfect solution for your needs, we will be happy to offer you one of our special extinguishing systems:



CalanCool Antifreeze

To operate sprinkler systems safely in very cold environments it is necessary to prevent the sprinkler system from freezing. The VdS-approved antifreeze CalanCool® can be used as an extinguishing medium for sprinkler systems in environments down to -30°C. All areas at risk of freezing can be protected from freezing and corrosion with CalanCool®:

Deep-freeze warehouses, deep-freeze high shelving systems, canopies and drive-in arenas.



Monitor Extinguishing System

We specialise in the area of power plants and offer the right fire protection solution throughout Germany as well as internationally for:

Waste incineration systems, biomass heating plants, steam and gas turbines, coal-fired power plants, tank storage facilities, petrochemical plants.

For the fire protection of large systems or facilities – due to the wide range of their water jets – monitor extinguishing systems have proved best. They guarantee targeted, rapid attack on fires breaking out in danger zones.



CalanSmartSpray

This solution is especially well-suited for cable tunnels and cable shafts. The installation of this effective, low-pressure fine spray system achieves safe fire-fighting capacity, with relatively low sprinkler water use.

This is an extinguishing system that is best used to fight fires in cable channels. Here, a „cable channel“ means any tunnel structure through which cable ducts run. These cables channels are frequently used in industrial facilities or power stations.

Low-pressure fine spray systems have the advantage of requiring significantly less extinguishing water in comparison with conventional sprinkler systems.

The special geometry of the nozzles spray the extinguishing water very finely, generating a fine water mist. The associated expansion of the water surface area allows effective thermal transport. The resulting cooling and suffocation effect results in effective fire-fighting.



Calanbau is one of the leading companies in the fire-fighting sector.

Trust in **Calanbau** means gaining a partner with 40 years of concentrated experience. And that trust pays. With Calanbau, you are safe in case of emergency. This is guaranteed by the more than 300 employees – engineers, technicians, installers – that **Calanbau** supports with continuing education and qualification in their own Sarstedt training centre. For comprehensive technical knowledge and outstanding competence.

And that competence is needed wherever the risk is particularly high: at central points in the value creation chain – for example large industrial production facilities, central warehouses, logistics centres. And wherever fire-sensitive materials are in use, as in the wood and paper processing industry.

Calanbau is among the leaders on the German market and is an innovative, service-oriented partner for customers in logistics and industry.

Data and facts:

Founded: 1976
Locations: 10
Employees: about 300

Specialist in logistics and industry.

Headquarters:

Calanbau Brandschutzanlagen GmbH
Wenderter Straße 12 | D- 31157 Sarstedt

Phone: + 49 5066 808-0 | info@calanbau.de

www.calanbau.de



Gottschalk means:
Sprinkler and spark extinguishing systems – custom designed!

From planning and production to installation and service, Gottschalk offers the right solution for applications in any industry – for over 35 years.

Whether the sprinkler system in a department store or the foam extinguishing system in a hazardous waste dump – **Gottschalk** combines flexibility and the highest

of standards for any requirements. The name of Gottschalk has stood for this for over 35 years.

More than 120 employees work daily on improvements to water extinguishing systems, special applications and gas extinguishing systems – for maximum safety and peak efficiency. That builds trust.

Gottschalk fire protection systems – safety and protection for every day.

Data and facts:

Founded: 1971
Locations: 3
Employees: about 120

Specialist in custom fire protection systems.

Headquarters:

Gottschalk Feuerschutzanlagen GmbH & Co KG
Am Kortenhoop 47 | D- 32425 Minden

Phone: + 49 0571 9451-0 | info@gk-feuerschutz.com

www.gk-feuerschutz.com



GFA guarantees optimum service.

The company's top priority is the satisfaction of their customers. **GFA** offers services from a single source, monitoring installed systems even after their completion – everywhere, 24 hours a day.

Perfectly set up, ideally organised, **GFA** reacts immediately, flexibly and still reliably to the requirements of their customers. To guarantee optimum fire protection, service does not end with the installation of the system,

but remains in continuous effect with technical maintenance and expert consulting – especially when planned modifications, expansions and changes to guidelines require it.

For more than 30 years, **GFA** has been the jack of all trades when it comes to stationary extinguishing technology. Their special strengths are in the upgrade of sprinkler systems from existing condition as well as in specialisation for the wood industry.

Data and facts:

Founded: Purchased by VINCI in 2003
Locations: 7
Employees: about 120

Specialist in the wood industry and shopping centres.

Headquarters:

GFA Gesellschaft für Anlagenbau mbH
Zum Wartturm 3 | D- 63571 Gelnhausen

Phone: + 49 06051 486-0 | info@gfa-sprinkler.de

www.gfa-sprinkler.de



A strong team for over 15 years.

IBS specialises in powerful sprinkler systems, focusing entirely on innovation in planning, implementation and service. Each sprinkler system is one of a kind, custom-designed by experienced technicians. Tailored to the specific requirements of the customer. And of course, each and every system meets the strict guidelines of VdS. The 100 years of experience and tradition of VdS serves as a control function for top quality in the industry. **IBS** upholds this tradition with pride, always striving to develop innovative, yet cost-effective solutions. To make that possible, one needs

a powerful team – and that is the strength of **IBS**. A sense of responsibility and maximum motivation characterise each and every employee. Many years of experience and short decision paths ensure timely handling and maximum flexibility for our customers.

For more than 15 years, **IBS** – especially in the regions of Saarland/Palatinate/Luxembourg – offers fire protection systems for facilities ranging from office buildings to logistics halls, and is a specialist in NFPA systems.

Data and facts:

Founded: 1998
Location: 1
Employees: about 75

Years of experience in sprinkler construction and specialist in US facilities.

Headquarters:

IBS Industrie-, Brandschutz- & Sicherheit GmbH
Saarbrücker Straße 211 | D- 66679 Losheim am See

Phone: + 49 06872 9224-0 | info@ibs-sprinkler.de

www.ibs-sprinkler.de



Nohl – competence from over 130 years of experience.

That makes the **Nohl** company Germany's leading provider of technical fire protection.

The safe design, installation and repair of stationary extinguishing systems require experience. **Nohl** has a wealth of knowledge and expertise that goes into the planning, setup and maintenance of every technical safety system project. Coupled with engineering using

the latest state of the art, the name **Nohl** stands for absolute perfection.

Their qualified service ensures it as well: technically competent round the clock – professional, flexible and individual.

Its roots are in the Rhine-Main region, but **Nohl's** many locations make it a powerful service partner throughout Germany.

Data and facts:

Founded: Purchased by VINCI in 2006
Locations: 3
Employees: about 75

Specialist in the automobile industry and strong service partner.

Headquarters:

Nohl Brandschutz GmbH
Werner-von-Siemens-Straße 2 | D- 64319 Pfungstadt

Phone: + 49 06157 1580-0 | info@nohl-brandschutz.de

www.nohl-brandschutz.de



**24-hour
Service | Emergency service
on 365 days**

“Breakdowns and emergencies do not keep business hours. So it is essential that we are available round the clock, 365 days a year.”



Reliability is our top priority!

Each and every one of our companies has years of experience in fire protection. As an installer of stationary fire protection systems, each of our companies is VdS-recognised and certified. So we can guarantee top quality in service, care and maintenance.

Our service staff will ensure that your system always works reliably. The strict guidelines of VdS require regular testing, service and maintenance work to maintain the operational readiness of extinguishing systems. Depending on the system, this means:

- Routine weekly and monthly inspections
- Quarterly, annual, 3-year and 15-year routine inspections
- Semiannual/annual service
- 25-year test / 12.5-year test

As VdS-recognised installers, our companies handle all the listed services for you, because malfunctions and emergencies keep no business hours. Good service and good maintenance will also prolong the life expectancy of your fire protection systems. That allows you to devote your full concentration to your core business! We support you with it – true to our motto:

Our service. Your protection.

Safety: Even when things are on fire.

Our smart service for you:



24-hour on-call service 365 days a year, lightning-fast response times from the service hotline and a Germany-wide presence, optimally trained technical staff with spare parts in stock.

www.fire-protection-solutions.com





**Fire Protection
Solutions**



Management at Calanbau:

CALANBAU
Brandschutzanlagen GmbH

Pinkertweg 20
D- 22113 Hamburg | Germany

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Information line: +49 06155 8741-574

www.fire-protection-solutions.com