



# WE PROTECT WHAT TRULY MATTERS

PRESERVING LIVES,  
SAFEGUARDING EQUIPMENT,  
ENSURING PRODUCTIVITY

# JUST ONE SPARK IS ENOUGH...

Are you aware that companies lose billions each year due to fires - and that over 30% of affected businesses go bankrupt as a result? A single spark can cause devastating damage. Insurance often fails to cover indirect consequences such as delivery disruptions or reputational harm.



**THE QUESTION ISN'T IF,  
BUT WHEN SOMETHING WILL HAPPEN!**

Industrial Fire Protection is not only sensible, but also demonstrably effective - thanks to tailored protection concepts and intelligent components from Fagus-GreCon!

## **INDUSTRIAL FIRE PROTECTION AT THE HIGHEST LEVEL**

Traditional fire protection measures only respond once a fire has already broken out – often resulting in significant damage. Reactive fire protection intervenes only after the fire has started. By the time action is taken, the fire is already substantial, leading to considerable damage and costs.

Fagus-GreCon takes it a decisive step further - as the market leader in Industrial Fire Protection, we focus on prevention instead of reaction, because:

## **WE EXTINGUISH BEFORE IT BURNS!**

Rely on over 50 years of experience across more than 100 industries. Benefit from 75,000 individually designed protection concepts and the expertise gained from over 200,000 protected production areas. With Fagus-GreCon, you can effectively protect your business from the devastating consequences of a fire.



# GRECON PROTECTOR

## THE FUTURE OF INDUSTRIAL FIRE PROTECTION

For over 50 years, we have been developing customised fire protection concepts for every individual challenge in Industrial Fire Protection – reliable, practical and precisely tailored to your processes.



**WITH GRECON PROTECTOR, WE ARE TAKING THIS COMMITMENT TO THE NEXT LEVEL: AS THE INTELLIGENT FIRE PROTECTION CONCEPT OF THE NEXT GENERATION.**

To make this possible, our protection concept combines the best components for detection (the SCOUT), processing (MISSION CONTROL and RANGER), and response (the HUNTER) into a single system solution. Together, they form an intelligent protection system that not only ensures safety but also anticipates potential threats. The result is a modular, intelligent and decentralised Industrial

Fire Protection system that flexibly adapts to highly specialised industrial processes.

## ONE SYSTEM, MANY BENEFITS:

1

### **FLEXIBLE EXPANSION OPTIONS**

due to a decentralised system architecture.

2

### **CLEAR PLANNING, TRANSPARENT COSTS**

thanks to structured installation planning that makes effort and service costs precisely calculable.

3

### **REDUCED MAINTENANCE EFFORT**

by centralised diagnostics and updates.



# GRECON SCOUT

## OUR EYES ON SITE

With the SCOUT product portfolio, we offer reliable detection solutions for all types of hazards in the detection zone – individually tailored to each application. Whether sparks, hot particles, smouldering nests, open flames or critical overheating: SCOUT detects early what could later cause major damage.

## MAXIMUM SAFETY AND SYSTEM AVAILABILITY

A fast and targeted response starts with reliable detection. That's why SCOUT relies on GreCon's intelligent IDT® detection technology, ensuring top-level performance under all conditions. Even in demanding environments with dust, ambient light or fluctuating temperatures, SCOUT delivers accurate and dependable detection. Whatever your challenge – whether high temperatures, smouldering nests, sparks or open flames – the adjustable sensitivity allows the SCOUT system to be flexibly adapted to the specific risk and existing plant design. Our detectors integrate seamlessly into existing systems, providing tailored protection exactly where it's needed.

## YOUR BENEFITS WITH GRECON SCOUT:

- 1 RELIABLE DETECTION**  
Intelligent IDT® detection technology ensures reliable detection in any environment, with or without ambient light.
- 2 PRECISE RESPONSE**  
Suitable for use even in ambient light, dust or other challenging conditions.
- 3 RELIABLE TECHNOLOGY**  
Long service life of the sensor optics, thanks to flush-mounted installation in the wall.

Not every sensor is suitable for every environment – extreme heat, long distances or hard-to-reach areas place special demands on detection. For such cases, the GreCon product range offers suitable solutions such as thermal imaging cameras for monitoring bulk material piles, fibre optic systems for high temperatures, or specialised thermo and explosion detectors.



# GRECON HUNTER

## THE INTELLIGENT EXTINGUISHING SYSTEM WITH LIGHTNING-FAST RESPONSE

GreCon HUNTER series stands for high-precision, automated extinguishing of sparks and ignition sources - in milliseconds, using an ultra-fine water mist. At its core is the intelligent Extinguishment Technology (GreCon IET®), which not only ensures effective suppression but also adds smart diagnostic functions and continuous system monitoring.

Modern sensors capture critical parameters in real-time – such as flow pressure, temperature trends, or the condition of nozzles and valves – and detect deviations early, before they impact extinguishing performance. Optional integrated features like frost protection or leakage detection further enhance operational safety – even under challenging conditions.

The result: an extinguishing system that ensures maximum availability, minimal intervention and Industrial Fire Protection on a whole new level.

### YOUR BENEFITS WITH GRECON HUNTER:

- 1 SAFETY DOWN TO THE LAST DETAIL**  
Additional features such as frost protection and leakage detection ensure stable processes.
- 2 HIGHLY EFFECTIVE EXTINGUISHING**  
Automated, precise extinguishing without delay.
- 3 INTELLIGENT SELF-MONITORING**  
Sensors monitor flow pressure, nozzle condition and temperature. Early wear detection and diagnostic data enable targeted maintenance.

Not every process allows the use of water. In such cases, alternative measures are used – such as diversion with bypass valves or isolation using pipe shut-off flaps or guillotine slide gates.



# GRECON RANGER

## THE COMMAND CENTRE FOR YOUR FIRE PROTECTION

In combination with MISSION CONTROL, GreCon RANGER represents a new approach to decentralised control of Industrial Fire Protection measures. The RANGER takes on the role of on-site command centre.

The intelligent control module is integrated close to detectors and extinguishing systems. Within a clearly defined area, RANGER processes incoming signals in milliseconds – autonomously, precisely and without detours via central units.

Thanks to its decentralised architecture, GreCon RANGER reduces cabling effort by up to 80 %, lowering installation costs and enabling future-proof system expansions through modern SPE cabling (Single Pair Ethernet). All executed actions are reported back to MISSION CONTROL in real time – ensuring maximum transparency, full traceability and central evaluation of all protection processes within the system.

## YOUR BENEFITS WITH GRECON RANGER:

- 1 FAST, DIRECT RESPONSE**  
Signal processing directly on site - without time loss from long cable routes.
- 2 REDUCED INSTALLATION EFFORT**  
Less cabling and easy integration save time and resources - for example, during commissioning.
- 3 SEAMLESS TRACEABILITY**  
All actions are automatically transmitted to MISSION CONTROL.

- 4 MODULARITY WITH A FUTURE**  
Flexibly expandable and ready to meet new requirements within the protection system.
- 5 CLEAR INFORMATION**  
Alarms and faults are signalled directly on the RANGER via LED strips.



# GRECON MISSION CONTROL

## THE HEART OF INTELLIGENT FIRE PROTECTION

The new generation of intelligent spark detection control panels is far more than a modern, user-friendly interface – it is the heart of smart fire protection strategies. As the central unit, GreCon MISSION CONTROL takes Industrial Fire Protection to a new level: it collects, analyses and visualises safety-relevant data, controls the entire system architecture and enables the coordination of predictive maintenance activities.

Working in tandem with decentralised units such as the GreCon RANGER series, it forms the command centre of an intelligent protection system. At the same time, MISSION CONTROL remains compatible with proven architectures – even previous generations of control panels stay fully integrable. A protection solution that grows with your needs. In existing GreCon systems, MISSION CONTROL takes over the central control logic – while decentralised units like the GreCon RANGER deliver their strengths directly on site.

## YOUR BENEFITS WITH GRECON MISSION CONTROL:

- 1 NEXT-LEVEL USER EXPERIENCE**  
completely reimagined and awarded with the GOLD iF Design Award 2025.
- 2 FASTER, MORE COST-EFFECTIVE INSTALLATION AND COMMISSIONING**  
due to pre-configured cabling. Plug & Play functionality where the system verifies the compatibility of the component.
- 3 MINIMISED DOWNTIME**  
with remote/inline diagnostics and an option for segmented maintenance.





## INDUSTRY EXPERTISE

### DIFFERENT PROCESSES - SIMILAR RISKS

Since almost all materials are combustible in crushed form, the risk of fire and explosion is high in many production processes. The risks are similar - but require individual and targeted protection solutions for each industry. Customised GreCon fire protection solutions ensure the highest production availability for the widest range of requirements and industries.

- 1** Production processes, such as the shredding of wood into chips, fibres, or veneers, as well as the drying and pressing of combustible materials into wood-based materials, present numerous fire risks. Sparks, glowing nests or glowing particles generated in the plant can trigger fires and explosions with serious consequences.
- 2** In the food industry, flammable substances such as coffee, cocoa, tea, flour, cereals, dried vegetables, dried fruit and sugar are processed in large quantities. The dusts produced during processing pose major fire risks.

- 3** The pet food produced in the animal feed industry is predominantly provided in the form of easy-to-process pellets. Manufacturing processes such as drying and grinding the mostly combustible materials and pressing them into pellets carry numerous fire risks.
- 4** The manufacturing process of nonwovens (flow materials) requires extensive preparation of combustible raw materials, which consistently leads to the creation of dangerous ignition sources. The various flow consolidation processes pose further fire risks.
- 5** The thermal energy released by burning biomass, coal, or other fuels drives generators mechanically, resulting in the conversion of mechanical energy to electrical energy. However, this type of energy conversion chain carries significant fire risks.
- 6** In glass production, all raw materials – such as sand, lime and soda – are liquefied by applying a considerable amount of energy. The glass melting tank and the distribution of the portioned glass mass to the forming tools represent a continuous and high fire risk.



- 7** High temperatures and flying sparks are unavoidable during metal processing. However, overheated parts and smouldering fires can also occur during manufacturing and processing. Processing operations such as grinding, casting or hardening, and even deposits in the raw pipes themselves, can lead to devastating fires.
- 8** In particular, the subsequent processing of paper after it is removed from the paper machine poses numerous fire risks. Sparks and glow nests generated by machine processing can easily ignite the dry and therefore highly combustible paper.
- 9** During mechanical processing, sparks and smouldering nests can occur due to overheating and foreign substances. Due to the presence of undesirable components, such as gas cartridges, lighters, or batteries, there is a high risk of fire at every process step.

- 10** Dust produced during the mechanical processing of rubber materials, for example, the shredding of used tyres, is highly flammable. The high vibration process poses an additional challenge to the detection technology.
- 11** Tobacco processing produces highly flammable dusts. Combined with high temperatures, this poses a permanent fire hazard. GreCon fire protection solutions safeguard the dryers, extraction systems and transport systems.
- 12** The production of textiles from natural or artificial materials involves a large number of risks. For example, sparks, glowing nests and overheated parts can occur along the entire production chain. GreCon fire protection solutions safeguard your mixing plants, separators or filter systems.

GreCon fire prevention systems can be used flexibly. Just contact us if your application is not listed here. We will find a solution.

# WHAT CONNECTS US IS MORE THAN A PROJECT

## COLLABORATIVE PARTNERSHIP

Many projects start with a specific challenge. However, what often emerges from them goes far beyond that: long-term partnerships built on mutual trust, transparency, and solution-oriented collaboration.

Fagus-GreCon is regarded as a reliable development partner across many industries – because we listen, think ahead and act as equals. Our customers value not only our fire protection solutions, but also how we get there: pragmatic, personal and shaped by genuine responsibility. The trust that grows along the way is not based on big promises, but on an attitude that has guided us for decades.

## KIRSCHAUER TEXTIL

Daniel Münzberg, Managing Director

“Since we installed the spark extinguishing systems, we had two events in our company where the system detected sparks and extinguished them automatically. This confirms that investing in preventive fire protection was the right decision.”



## MARTIN BAUER GROUP

Konrad Ohlmann, Production Manager

“We are one of the largest producers of tea worldwide. Glowing nests that cause fires or dust explosions can occur during mechanical processing. We can't afford a loss of production; that's why we work with Fagus-GreCon.”



## PELZ GROUP

Matthias Kelch, Head of Facility Management

“We regularly come up against incidents which can quickly be made harmless thanks to the GreCon spark extinguishing system. We extinguish the first spark - there is no compromise in terms of safety.”



## JELU

Hubert Ehrler, Technical Manager

“We protect all areas that are potentially at risk with spark extinguishing systems. We have been able to reduce the fire risk significantly. GreCon spark extinguishing systems eliminate 99 to 99.5% of all fires in advance.”



# CERTIFIED EXPERTISE FROM THE ORIGINAL

## WE OFFER CERTIFIED STANDARDS

In Industrial Fire Protection, it's all about responsibility – and the ability to function reliably in critical moments. That's why verifiable standards are essential. International certification bodies such as VdS, TÜV or FM Global award their seals only to systems that meet the highest requirements – making them valuable anchors of trust for operators around the world.



German Insurance Association (VdS)



FM Approvals



TÜV Rheinland



Safety Integrity Level



Quality Management



Explosion Protection



Canadian Standards Association

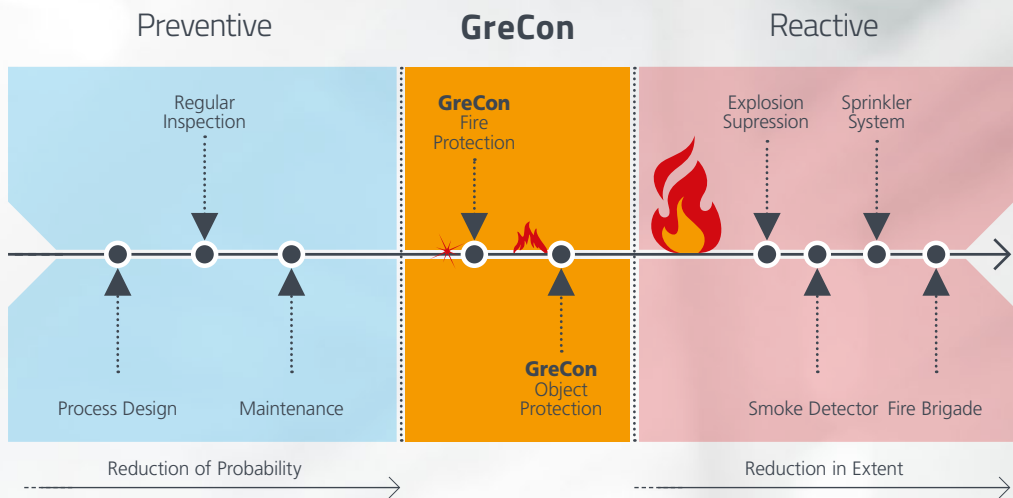


Eurasian Conformity



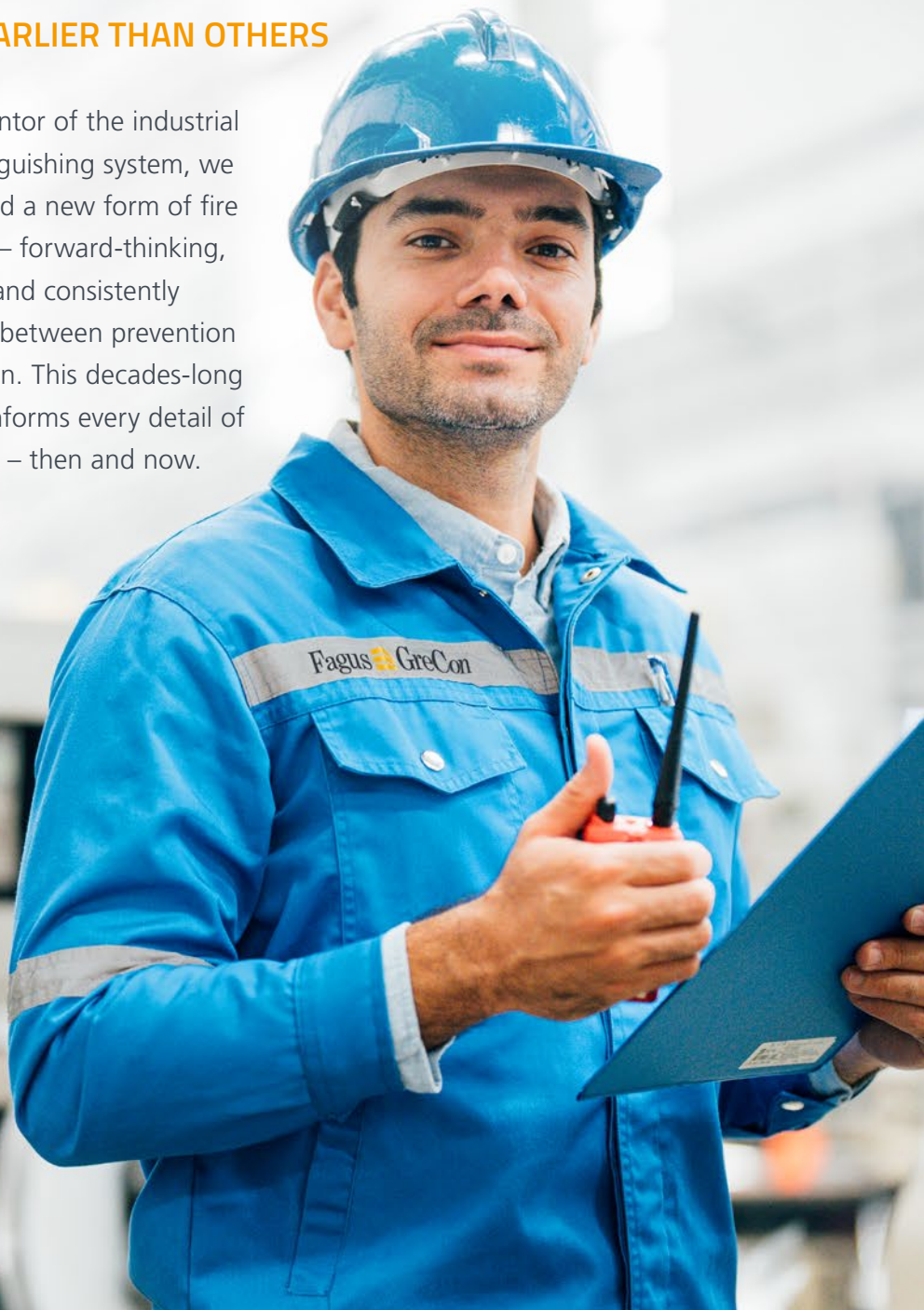
KOSHA-Certification

Our systems also carry these seals and certificates – because they reliably deliver what independent testing bodies around the world require: maximum safety, documented quality and technical excellence. They are the result of decades of development, continuous improvement and a clear mindset: We extinguish before it burns!



## WE INTERVENE EARLIER THAN OTHERS

As the inventor of the industrial spark extinguishing system, we have shaped a new form of fire protection – forward-thinking, intelligent and consistently positioned between prevention and reaction. This decades-long expertise informs every detail of our actions – then and now.



# BECAUSE SUCCESS NEEDS TRUST

## ALWAYS THERE FOR YOU - WORLDWIDE AND RELIABLE

"When you need us, we're there!" Our global service network ensures local support - fast, efficient and dependable. With subsidiaries and partners across all continents, help is always nearby. Whether in North America, Europe or Asia: we are where you need us.



Worldwide  
on-site  
support



Turnkey  
solution from  
one source



Intelligent  
predictive  
maintenance



Remote-  
Support  
24/7



Certified  
manufacturer  
service

## SUSTAINABILITY: ONCE A VISION, NOW A STANDARD

At Fagus-GreCon, responsibility for people and the environment is a core value. Since the foundation of the Fagus Factory, principles such as efficiency, resource conservation and social responsibility have shaped our actions. Sustainability is not an add-on for us, but a fundamental principle reflected throughout our company.

Our technologies are designed to optimise processes and preserve resources. One example is our measurement technology, which improves production workflows, reduces waste and saves energy through precise monitoring. This principle of increased efficiency is part of our broader strategy for a sustainable future. For over 100 years, we have stood for responsibility - and for shaping sustainable progress.



### GO GREEN!

A single GreCon FORMATOR can save up to 5,000 tonnes of CO<sub>2</sub> emissions per year!



### 50,000 SATISFIED CUSTOMERS

Countless companies already rely on our solutions - become part of the Fagus-GreCon success story!

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