



## Fire and Explosion Protection in the Metal Industry

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In the metal industry, high temperatures and spark flight are inevitable. During production and processing, overheated parts and smouldering fire can occur which can cause fire or explosions. A GreCon spark detection and extinguishment system significantly increases the safety and protection of the production facilities. It detects dangerous ignition sources in time and automatically extinguishes them without interrupting production – and has done so successfully for more than 35 years.

### THE RIGHT SOLUTION

- ✓ a fast, reliable spark extinguishing system which is especially adapted to your production
- ✓ the detection of sparks and glowing particles in the areas at risk
- ✓ protection without interrupting production

## RISKS

When processing metal, there is a risk of fire in the extraction systems and filters. The metal dust that deposits there can ignite by exothermic reactions. This is a challenge that requires special spark extinguishing systems. However, sparks or overheated parts can also be caused in other plant areas by high temperatures, defective machines or foreign bodies.

## DANGER ZONES

Fire in metal productions can damage or even destroy the facilities. A GreCon spark detection and extinguishment system monitors and protects the following areas at risk:

- ✓ Foundry
- ✓ Drum
- ✓ Press
- ✓ Polishing
- ✓ Filter
- ✓ Welding
- ✓ Hardening shop
- ✓ Core removal
- ✓ Sand recycling

## DIAGRAM OF PROTECTION CONCEPT

