

## Consequences of fire and explosions

A fire or an explosion can have serious consequences for your company:

- Injury and loss of human life
- Damage to machines, transport facilities and storage space
- Production interruptions
- Loss of income
- Repair / Replacement costs due to damaged machines
- Loss of customers

### The right solution for your animal feed production

To protect your production, your staff and your machines against fire and explosions, GreCon offers you...

- 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
- the immediate automatic diversion of ignition sources out of the conveying system or water or gas extinguishment – in 99 percent of cases without production interruption

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# GreCon

Fire and Explosion  
Protection in  
Animal Feed Production

  
Fire  
Protection

  
Measuring  
Technology



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## Animal Feed

## Fire and explosion protection in animal feed production

The pet food produced by the animal feed industry is mainly offered in the form of easy-to-handle pellets. The production processes, such as the drying and grinding of the mostly combustible materials as well as the pressing to pellets, hold various risks of fire.

**Sparks, glowing embers or particles, generated in different plant areas, can easily cause serious fire and explosions.**

A GreCon spark detection and extinguishment system significantly increases the safety and protection of the production facilities. It detects sparks in time and automatically extinguishes them – and has done so successfully for more than 35 years.

## Risks in animal feed production

Many production areas, from drying via the mill to the pellet press, can be the cause of ignition sources.

**Due to the fast-running machines, the high pressure and the high temperatures, sparks or glowing particles can be created and reach, via extraction and conveying facilities, filters, silos or bins where they can meet explosive wood dust concentrations and dry pellets and quickly cause fire and dust explosions.**

## Danger zones in animal feed production

Fire or explosions in animal feed production can damage or even destroy the facilities.

A GreCon spark detection and extinguishment system monitors and protects the following areas at risk:

- Dryer
- Mill
- Press
- Extraction system / outgoing air
- Filter
- Silo
- Cooler
- Cyclone



Diagram of protection concept for the animal feed industry

