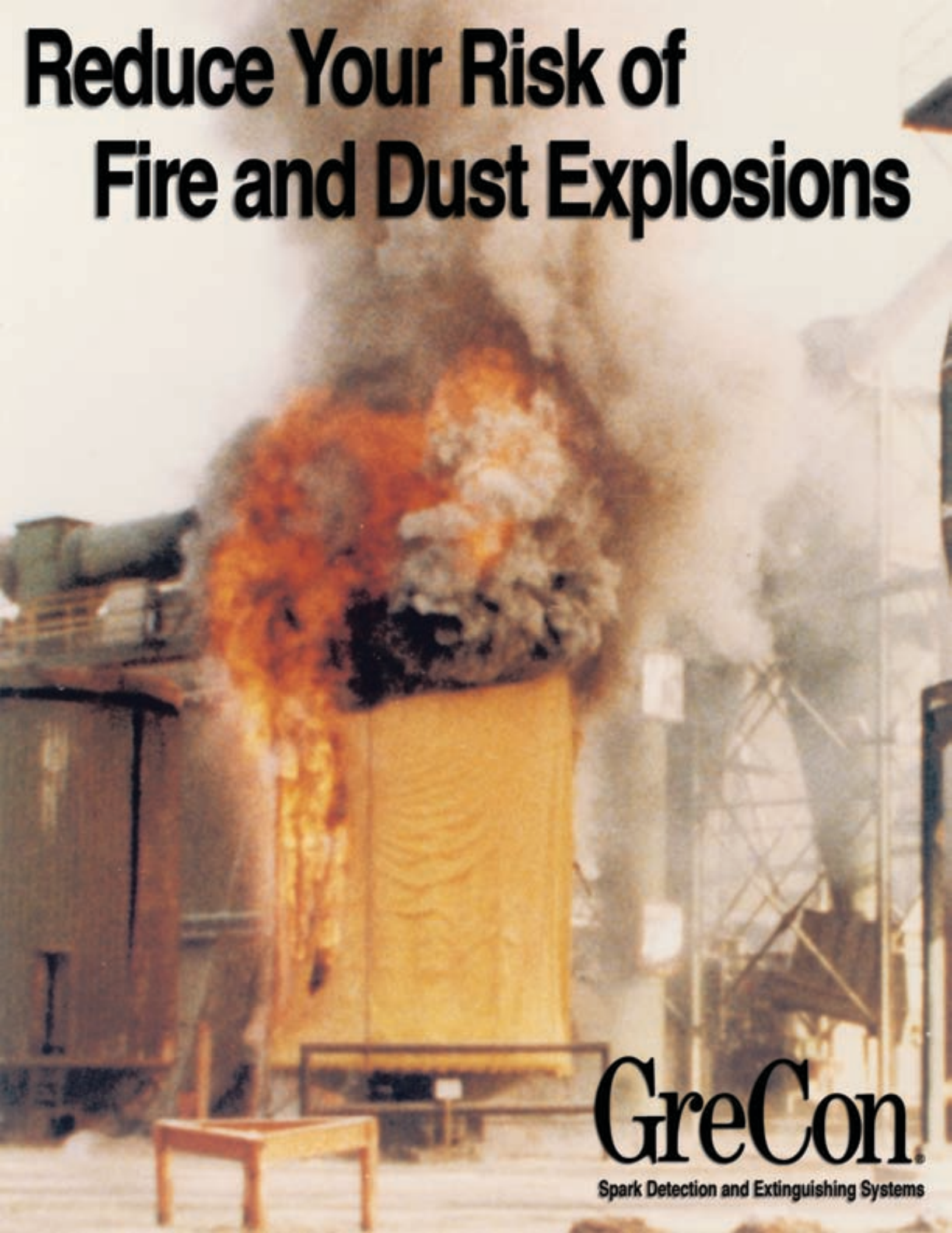


# Reduce Your Risk of Fire and Dust Explosions



**GreCon**

Spark Detection and Extinguishing Systems

# What is at risk?

- **Property Damage**
- **Personal Injury**
- **Loss of Production**
- **Loss of Customers**



## Fire and dust explosions

caused by sparks, are an everyday occurrence in industry. These fires cause millions of dollars in property damage and lost production annually, not to mention the dangers to life.

When working with combustible material, fire and explosions can occur in pneumatic conveying systems, bag houses, sanders, planers, hammer mills, dryers, coolers,

bucket elevators, and mechanical conveyors.

Sparks or embers, the cause of most fires, occur in the process machinery and propagate into dust collection systems. Bag houses and dust bins are especially vulnerable to fires.

*Part of a manufacturing plant after a dust explosion.*



# How to reduce your risk.

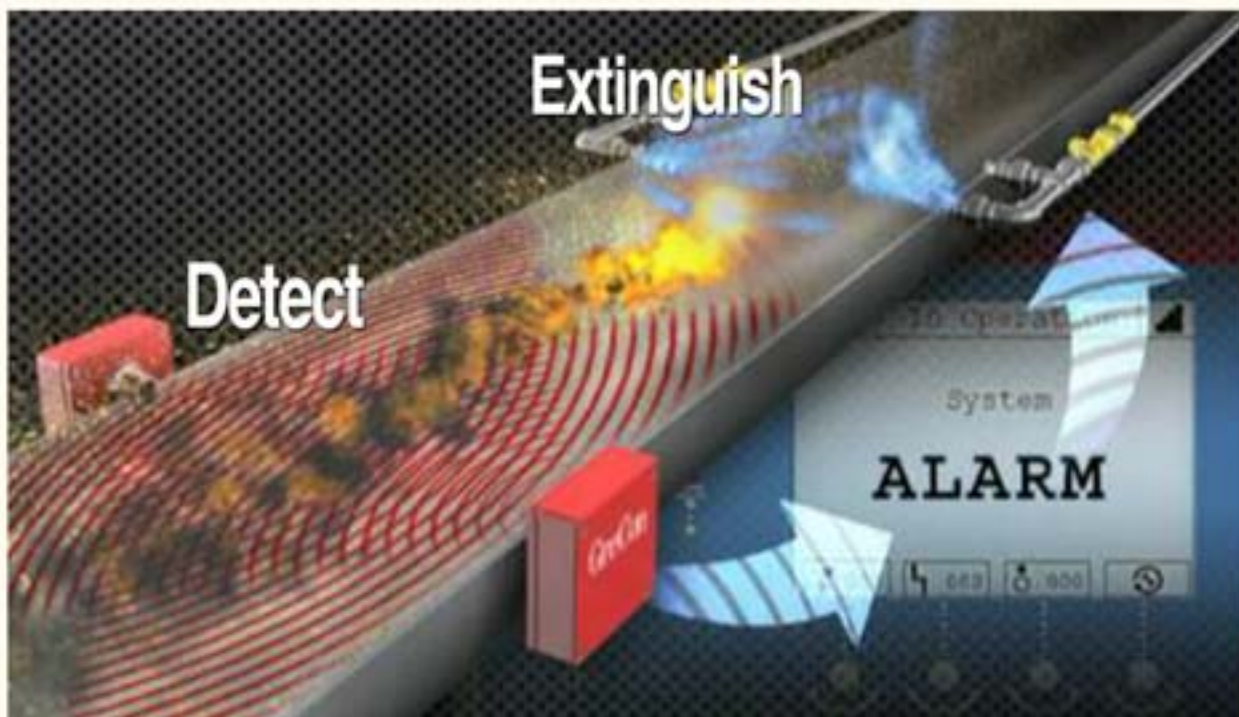
## GreCon Spark Detection and Extinguishing System

is designed to detect and extinguish a spark before it reaches downstream process or filtration equipment thus reducing, if not eliminating, the potential for fires and dust explosions.

This system is especially effective in applications such as pneumatic and mechanical conveying systems, material storage systems, filtration equipment, or any other hazardous, dust-laden environment.

Detect sparks and burning embers. Extinguish before the filter. Divert hazardous material flow. Detect heat build up in silos, bag houses and storage bins. Trigger extinguishing and deluge valves, abort gates and fire traps, equipment shutdown or PLC actions.

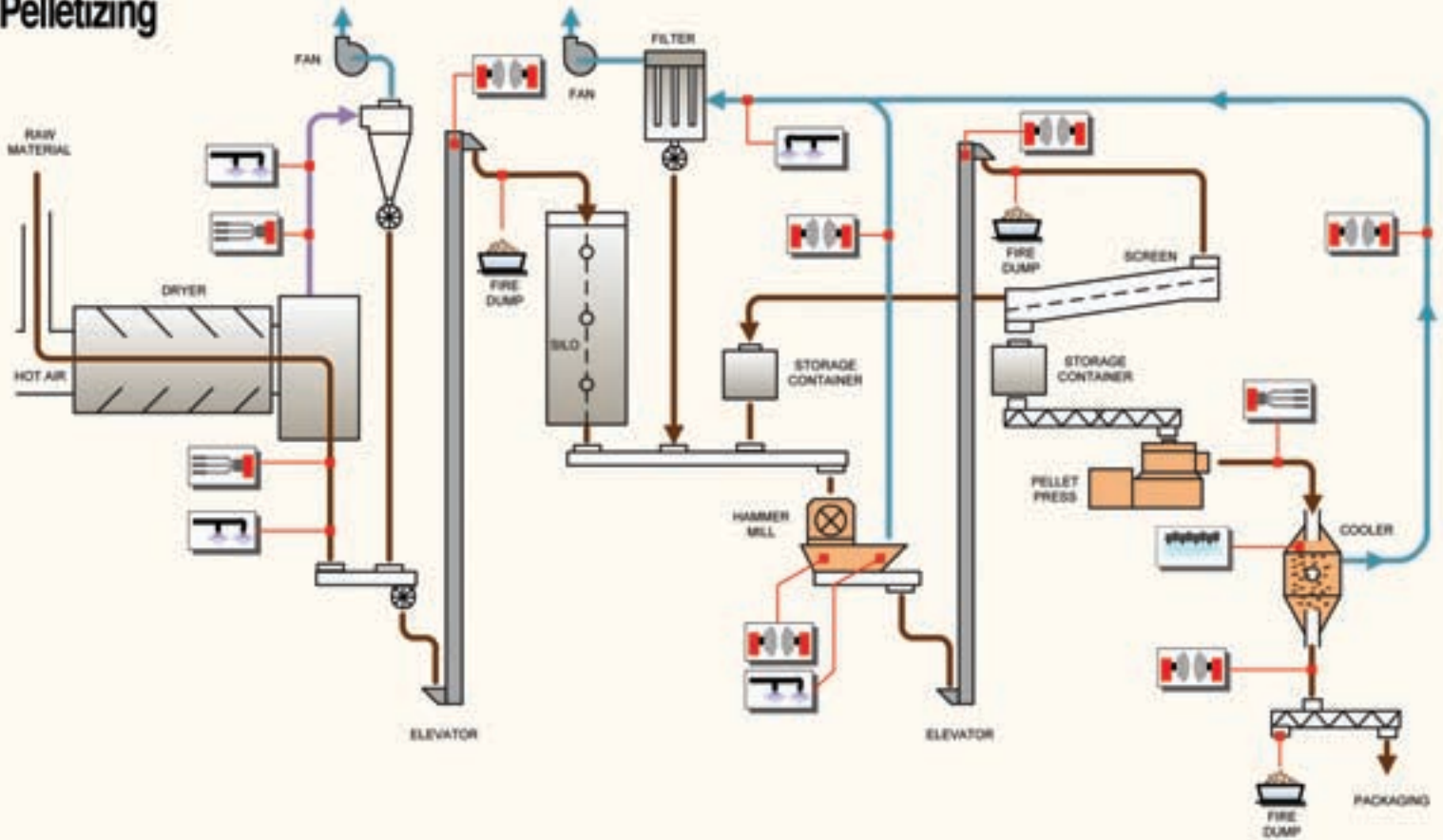
Factory Mutual Approved with typical applications outlined in NFPA 69, 654 and 664 standards.



*Sparks and embers are detected by sensors and send a signal to the control console that triggers the extinguishing device or other counter measures.*

# Application Examples

## Pelletizing



## Wood Products

