

EXTINGUISH BEFORE A FIRE
BREAKS OUT

PROTECTING YOUR WOOD PELLET INSTALLATIONS

The manufacture of pellets, also known as wood pellets, is considered to be an environmentally-friendly method of managing wood waste, as it enables them to be recovered and transformed into a renewable energy source. Production processes such as drying and grinding sawdust, as well as compacting it into pellets using rotary presses and cooling it, involve a large number of risks. Sparks, embers or hot spots created in these high-risk areas can trigger fires and explosions with far-reaching consequences.

GreCon's solutions can provide protection at a number of key points in production, from drying and grinding to the pellet press, which can be the source of destructive fires. The speed of rotation of the machines, the high pressure of the press, high temperatures and foreign bodies can generate sources of ignition that reach the silos via the suction and conveying systems. A concentration of explosive dust can also very quickly trigger a fire or explosion in the cyclofilter.



WOOD PELLETS

GRINDING & GRANULATION

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GRINDING

& GRANULATION

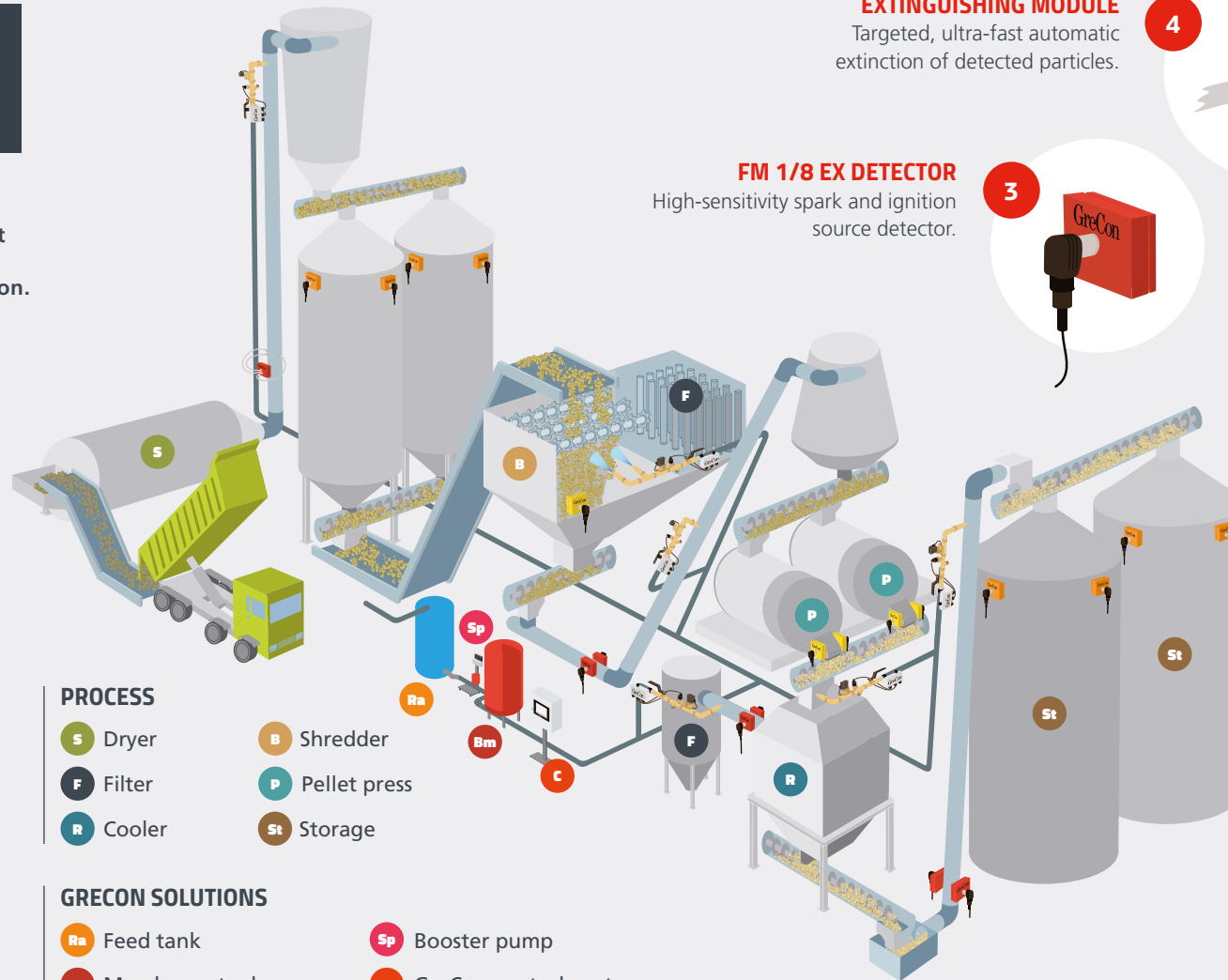
WHY GRECON?

- GreCon invented the spark and hot spot detection and extinguishing system for preventive fire protection.
- We have **50 years of experience** as a provider of **turnkey solutions**.
- More than **300,000 installations** around the world.
- Our locations and representatives around the world offer you reliable support and service.
- Our systems meet the most stringent regulatory standards.



YOU BENEFIT FROM:

- **Extinguishing** all sources of ignition.
- **Avoiding** fires or explosions.
- **Avoiding** injury and material damage.
- **Maximising** the availability of your process.



PROCESS

- S** Dryer
- F** Filter
- R** Cooler
- B** Shredder
- P** Pellet press
- St** Storage

GRECON SOLUTIONS

- Ra** Feed tank
- Bm** Membrane tank
- Sp** Booster pump
- C** GreCon control centre

EXTINGUISHING MODULE

Targeted, ultra-fast automatic extinction of detected particles.



FM 1/8 EX DETECTOR

High-sensitivity spark and ignition source detector.



DLD 1/9 EX DETECTOR

High-sensitivity hot-spot and ignition source detector.

TM 1/9 EX DETECTOR

High-performance thermo-velocimetric temperature sensor.



FIRE PREVENTION PROBABILITY REDUCTION

- ↑ Process design
- ↑ Regular inspection
- ↑ Maintenance

GreCon EXPERTISE

- ↑ GreCon spark extinction
- ↑ GreCon machine protection

FIRE PROTECTION DAMAGE REDUCTION

- ↑ Explosion suppression
- ↑ Smoke detector
- ↑ Sprinkler system
- ↑ Firefighter