CIM-SAFE™
Detect. Alert.
Protect from fire.

Ensure safety.
Protect assets.
Minimize downtime.

CIM-Safe is the solution for preventing costly fire incidents in grain/seed drying plants and industrial transport systems. By detecting sparks and potential sources of ignition early, CIM-Safe helps safeguard your equipment, production, and employees.

KEY ADVANTAGES

Enhanced Safety
Early infrared spark detection prevents fires before they start, ensuring a secure working environment for your team.

Minimized Equipment Damage
Our system instantly shuts down equipment to eliminate risks, reducing repair costs and keeping your assets operational.

Optimized Productivity
Avoid production downtime caused by fire incidents, keeping your operations running smoothly and efficiently.

Sturdy & Reliable Design
Built with rugged die-cast aluminum and scratch-resistant sapphire glass, CIM-Safe thrives even in the toughest conditions.

Who Benefits from CIM-SAFE™?

· **Grain and seed drying plants**

· **Industrial processing facilities**

· **Any operation where spark detection is critical to equipment and personnel safety.**

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CIMBRIA

Detection Technology

Highly sensitive infrared sensors that detect sparks and embers even through dense material, ensuring early alerts.

Control Unit

- Centralized monitoring with intelligent alerts, alarms, and automatic shutdown capabilities.
- Can activate both acoustic alarms and flashing warning lights.
- Includes a second alarm trigger option for extended monitoring and automated process shutdown.
- Offers remote alarm functionality, enabling notifications to mobile devices.

Infrared Spark Detectors

- Compact, robust design with 120˚ angle of sight
- Abrasion-resistant sapphire glass.
- Optional air cleaning nozzle for use in humid environments.
- Can be paired with an **Automatic High-Pressure Water Extinguishing System** for confined spaces.

Simple and Effective Installation

Effortless to integrate, our Cim-safe system is available as a **complete retro-fit kit**. Each installation supports **up to four independent sensors**, ensuring comprehensive coverage without interfering with your machinery's existing operations.
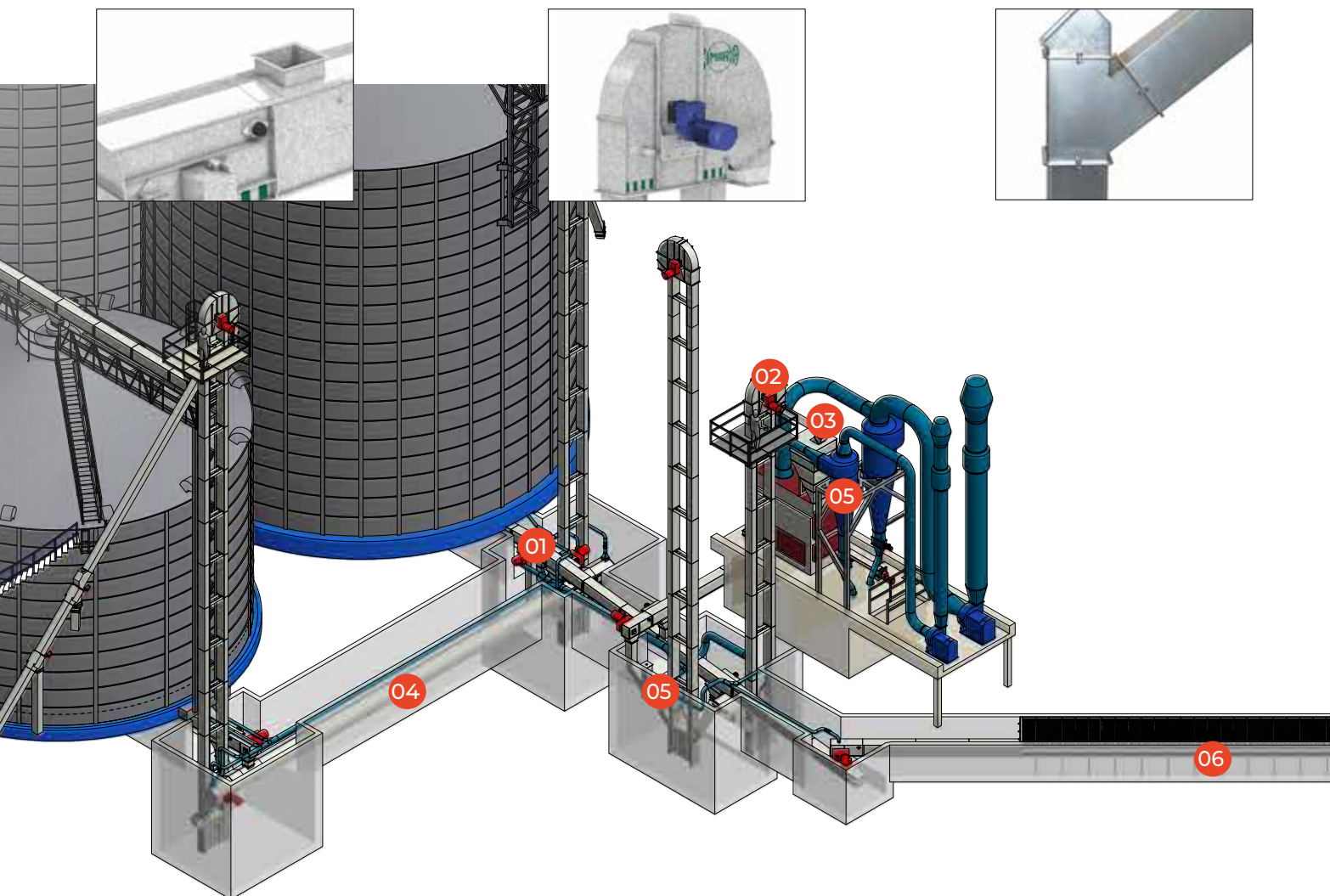
Spark detection for industrial plants

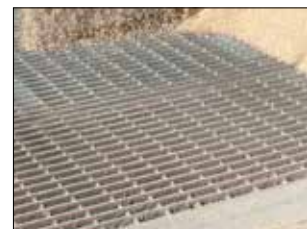**01. CHAIN CONVEYOR**

02. BUCKET ELEVATOR

03. TRANSFER POINT
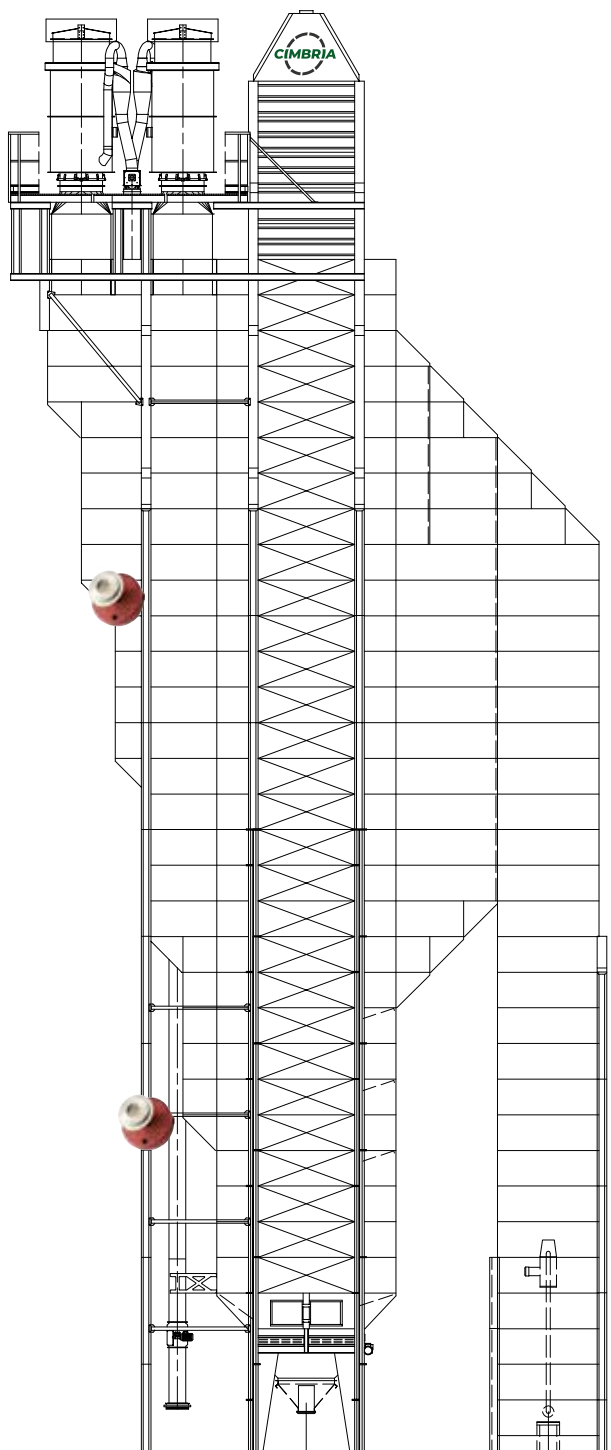
04. BELT CONVEYOR

05. ASPIRATION

06. INTAKE SYSTEM

CIMBRIA

Spark detection for dryers

SPARK DETECTOR

The highly sensitive detector sensing infrared light is able to detect even through dense phase material and is fitted in areas where no daylight or other light is present. An air cleaning nozzle will be supplied when the sensor is placed in a humid environment. CIM-Safe can be further equipped with an Automatic High Pressure Water Extinguishing System to provide an effective water barrier for extinguishing sparks when installed in a confined space.

CONTROL UNIT

The spark detector is connected to a central control unit that monitors the equipment and detects sparks or fire in time, such that it is possible to take action before any further damage occurs.
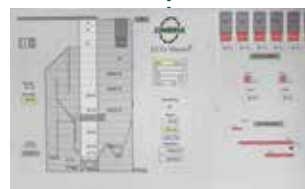
SPARK ALARM

The control panel activates an acoustic alarm and flashing warning light upon detection. For added protection, a second alarm is activated upon extended detection. This second alarm can be user-adjusted and is used for automated process shutdown. For added safety, a remote alarm to e.g. a mobile phone can be added.