



**Client:** Knauf Industries - Poland

**Application:** Product Facility

**Aspirating Detectors used:** Protec Cirrus HYBRID Aspirating Fire & Smoke Detectors

Due to the high value of their manufacturing equipment and machinery, the KNAUF Industries facility in Poland had some special insurance requirements for their fire protection system. Protec Aspirating Detectors offered not only a very fast and effective detection of 'Fire & Smoke', but also the possibility to reach even the most demanding and difficult space by utilising sampling pipes and capillaries sampling points.

These components were particularly vital for the compressor application as the sampling points were located within the compressor plant. This allowed the Protec Cirrus HYBRID to be the ideal solution to protect the main fire risk (within the compressors) and the space around the compressors (production area roof).

#### Reasons for using Cirrus HYBRID aspirating Fire & Smoke Detectors

- Aspirating detection utilizes 'active' air sampling through the use of sampling holes drilled into sampling pipework. Each sampling hole is spaced to suit the local country design standards and the specific application/risk.
- Cirrus HYBRID provides both Cloud Chamber 'Fire' and Optical 'Smoke' detection, within a single aspirating detector.
- Cirrus HYBRID detectors reduce unwanted alarms from dust and other pollutants.
- Cirrus HYBRID detectors provide the most intuitive touch screen display of any aspirating detector.
- Cirrus HYBRID detectors are a sensitive yet stable fire detector responding to products of combustion.
- Cirrus HYBRID aspirating detectors can provide an alarm at an earlier stage of a fire condition than most other comparable technologies in these and various other standard and difficult applications.

#### Clients Detection System Requirements:

Early warning/enhanced Fire & Smoke detection within localized high risk area and main production facility.