

High-end vs mid-range flame detectors

It is very hard to define the quality of detectors in relation to an application and the risk involved. The end user has a certain budget to protect a plant and has to make choices where to invest the monies in. Sometimes Insurance Companies set a minimum requirement but mostly the end users have their own procedures on Vendor/Product selection.

Generally an application such as an Oil & Gas Offshore Platform is considered to be high risk where lives are at stake. An investment in a High-End product can be justified in such an application.

Typical Applications for a High-End product:

- Offshore Platforms and FPSO's
- Process Areas
- When High Sensitivity is required to detect very small fires
- When SIL2 or higher is required
- When Heated Optics are needed
- When the flame detector is connected to a e.g. DCS via a PLC

Typical Applications for a Mid-Range product such as the SENSE-WARE 210 series Flame detectors:

- Recycling Plants
- Solvent Storages
- Gas Service stations
- Workshops
- Garages
- EV charging stations, Hydrogen filling stations
- When no SIL or only SIL 1 is required
- When installed in and around buildings
- When the flame detector is connected to a Fire Panel (EN54)