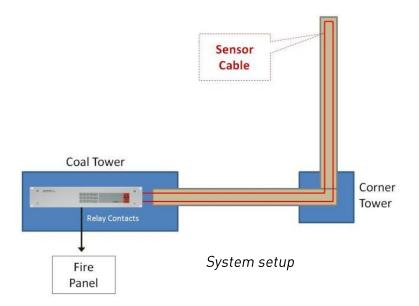




Coal Conveyor Belt Monitoring Germany

AP Sensing's Linear Heat Series solution was chosen to provide quick and reliable fire detection along a coal conveyor belt at a coking plant in Germany. The entire conveyor system consists of two sections, perpendicularly connected, with a total length of approximately 400 meters.

The N4387A is located in a tower at a safe distance from the conveyor; only the passive optical sensor cable is exposed to the hazardous area along the conveyors and in the two towers. The sensor cable is installed in a closed loop (dual-end), ensuring complete redundancy coverage in case of a fiber break. Because the conveyors are outdoors, temperature changes along with the seasons (between -15 and 35°C).



- AP Sensing's low power laser (17mW average optical power, meets Laser Class 1M) enables safe operation even in hazardous areas.
- AP Sensing's sensor cable, designed for continuous measurement from -40 to +85°C is optimally suited for outdoor applications with a large temperature differential between summer and winter.

