



Conveyor Belt Heat Detection in Coal-Fired Power Plant



Main Conveyor

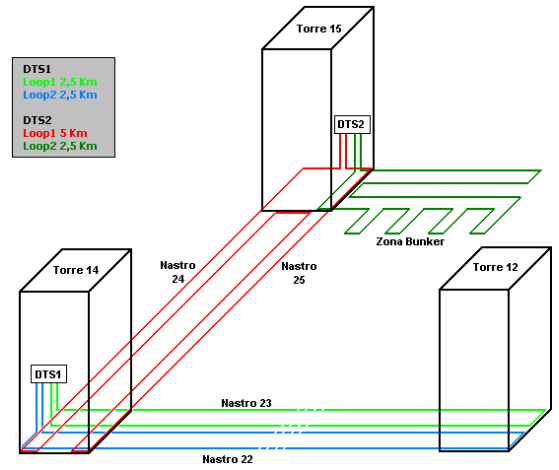


Distribution Conveyors

Fire detection along coal transporting conveyor belts is challenging. The environment is extremely harsh, with dust and mechanical vibrations and the plant's conveyor infrastructure is several kilometers long. A fire would cause downtime for the entire plant, which is extremely costly to the operating company.

AP Sensing's Linear Heat Series is the optimum solution. Combined with 12 kilometers of fiber optic sensing cable, two AP Sensing DTS instruments permanently monitor the entire conveyor belt and coal bunker infrastructure within the power plant.

AP Sensing's open software interfaces enabled easy integration in the central control room which is based on Lab View™. The solution provided one management view of the linear heat detection solution and the thermal cameras used to scan the surface of the conveyors.



Sensor Cable Installation