Power stations are one of the biggest consumers of heat sensing cable. This is due to the difficult and varied risks of fire and overheating found in a power station. Signaline heat sensing cable provides an ideal solution for early detection.

**Applications in Power stations -**
- coal conveyors
- cable tunnels and trays
- access tunnels
- ancillary plant rooms
- dangerous goods stores
- switching rooms
- control centres
- turbine protection
- car parks

All these areas are extremely difficult to protect using traditional single point detectors.

Power stations also have a number of hazardous areas. Using a MTL 5561 barrier it is very simple to make Signaline FT intrinsically safe, therefore making Signaline heat sensing cable a highly cost effective way of protecting hazardous areas. Please ask our sales office for more details about using Signaline FT on intrinsically safe circuits.

**Which Cable to use?**

Different areas of the power station will require different cables. For example in low ambient temperatures (typically below 40°C) Signaline-HD-S is a perfect solution for coal conveyors. It has increased mechanical protection to avoid any damage caused by moving rollers. In higher ambient temperatures Signaline -FT-105-R should be used. This has an ambient temperature rated up to 85°C. This cable also offers a black nylon coat for total chemical and UV protection.

In other areas the cable used will depend on the type of system employed in the power station. Thanks to the versatility of the Signaline range we can offer both the fixed temperature or the analogue heat sensing cable to be compatible to any conventional or addressable fire control panel.

The Signaline range offers a loop powered XP95 controller for use with our Signaline HD range of cables. This controller is compatible with any XP95 addressable control panel.

If you are not sure which cable is suitable for your particular application please contact our offices.