



Case Story: ESB Ireland

Automatic Alarm Management using MPT1327

The Customer

The Marina Generating Station is a major landmark close to the centre of Cork City. It has a total electricity generating capacity of 115 Mega Watts. The plant started life as a coal fired station when it was initially opened in 1953, but with the discovery of natural gas off the southern coast of Cork in 1978 it now operates as a modern, natural gas fired, combined cycle combustion turbine plant.

The Need

The plant operates 24 hours a day, seven days a week and is manned by teams of engineers working in shifts. The ESB management team wanted to link technical and emergency alarms direct to the engineers, enabling them to automatically receive notifications anywhere on the site. ESB also wanted to provide lone worker services using the exiting radios, to regularly message engineers and alert security staff if no response is received.

The Solution

Three ZONITH Alarm Listeners were installed on a server in the Marina control room. The first monitors outputs from a GE Simplex process alarm system via a serial RS232 port. The second monitors a Rochester RTU Alarm logger through an LPT port. And the third monitors alarms generated by the panic buttons on the MOTOROLA handsets used by engineers.

When an alarm is activated the ZONITH ACS instantly matches the alarm based on category, priority and the available resources competent in handling the alarm. The alarm details are instantly dispatched as a text message to the MOTOROLA radio of the relevant engineers

The ZONITH Centralized Lone Worker service automatically sends text messages to engineers during off peak times of the day. If a person fails to respond to a message an alarm is immediately raised in the ZONITH ACS to colleagues and support teams.



On site engineers receive tasks, technical alarms, fire alarms, emergency panic alarms and lone worker services on MPT1327 radios - saving valuable time and resources.

Solution Benefits

- ▶ Technical alarms are instantly dispatched as text messages to the engineers radio responsible for the job.
- ▶ People working throughout the site are immediately aware of emergency, fire, security or panic alarms.
- ▶ Employees working alone are monitored through their radio to check if they are safe and secure.

