GEBERIT

CASE STUDY: **POWER PLANT IN THE UK**

SUPPLYING MAPRESS TO PEAKING POWER PLANTS IN THE UK

Lubrication oil supplied with Geberit Mapress stainless steel for gas turbine engines

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PROJECT OVERVIEW

The traditional surge in electricity during sporting or historic television events, when households switch on the kettle during a television ad break, can place huge demand on the electrical grid.

Peaking power plants, typically gas turbines, are power stations that provide additional energy during these peak periods. These gas turbine engines can be located in several bespoke containers across a single site.

Contractor MD Lawrence was working on a project to install the pipework at a large peaking power plant in the UK. Matt Lawrence, Director of MD Lawrence, was looking for an innovative and reliable manufacturer to specify the pipework used to supply the lubrication oil for the plant's gas turbine engines.

WHY GEBERIT?

Geberit Mapress stainless steel provided the solution for MD Lawrence due to its ease of installation and guaranteed quality.

Offering a much safer alternative to conventional pipework connection methods, Geberit Mapress uses increasingly popular press connection technology. Any connections not pressed during the installation process can be visibly detected during testing. The pressing indicator consists of a thin plastic foil encasing the pressing shoulder, which gives a visible indication of a pressed joint as the foil is removed during correct installation.

Crucially, too, using a pressing solution eliminates the requirement for hot works and, with no cool down period, press fit systems have been proven to take 30% less time to install than their traditional counterparts according to a BRISA report. This can also help to reduce the cost of jobs by approximately 27% compared with screwed steel pipework.

Matt Lawrence explains why Geberit Mapress was the natural choice for MD Lawrence: "We were looking for a solution that would not only be reliable but that would also give us a quick turnaround during the installation process. We needed to keep any downtime to a minimum."

→ Project information

Location: UK

Contractor: MD Lawrence

Project Completion: Ongoing

→ Geberit Know-How

Problem:
The need to supply the lubrication oil to the plants gas turbine engines

Solution:
Geberit Mapress stainless steel

"This, together with the technical support and service we received from Geberit, played a big part in the success of this project."

Matt Lawrence, Director of MD Lawrence

DELIVERING THE SOLUTION

Matt believes that the installation benefits of Mapress, as well as Geberit's technical support, were key elements in the successful delivery of the project.

Matt continues: "The installation process of Mapress was a huge factor in our decision to select the product in the first place – it was a much quicker and simpler process than it would have been if we had gone for one of the more traditional jointing alternatives. This saved valuable time and, as a result, we were able to turnaround the project ahead of schedule thanks to this ease of installation.

"This, together with the technical support and service we received from Geberit, played a big part in the success of this project."

Geberit Mapress is available in range of materials including carbon steel, copper, stainless steel, and CuNiFe.

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