

Timely alert of blockage avoids forced outage

Snapshot

Client

Coal-fired plant, Netherlands

Challenge

To provide an independent condition monitoring service, giving early warning of any potential component failure so that timely action could reduce client costs and risk.

Solution

Our Advanced Condition Monitoring (ACM) found early symptoms of an air heater blockage. We alerted the client immediately, approximately one month before the issue would have become critical.

Benefits

In response to our early warning, our client incorporated the air heater clean into a planned outage days later. As a result of this opportunity maintenance, an additional three-day outage was avoided, saving €350k in lost generation.

Our monitoring of condition data from key components gives an independent view of plant health, allowing issues to be detected days, weeks or months in advance of a failure, while site teams are able to concentrate on operational priorities. Clients have confidence that, while we are alert to potential problems, we also represent their interests in making best use of resources.

Developing blockage

The operational team at our client's 600 MW coal-fired plant were focused on the final planning for a catalyst replacement outage when our in-house ACM system provided early warning of a developing blockage in an air heater.

Analysis of the data showed that the air heater would need cleaning in a month's time, but we knew that the planned outage at the plant was only days away.

Early warning

Our early warning gave the site maintenance team enough time to organise the necessary staff and equipment to carry out an air heater clean in the same outage.

As a result, the air heater was returned to full service whilst avoiding the cost and lost generation resulting from a forced three-day outage.

€350,000
in lost generation avoided



Discover Energy Services

John Tomlinson

T +44 7841 05 76 37

John.R.Tomlinson@uniper.energy

www.uniper.energy

