

HanPHI

The Catch

HanPHI helped a 560-MW thermal power plant save over \$50,000 by preventing a pulverizer trip in February 2016.

On February 3, HanPHI identified a temperature increase of the lubricating oil for the plant's two pulverizers. The temperature of the lubricating oil for one pulverizer increased from 36.5 °C to 52.8 °C and the lubricating oil tank temperature increased from 41.9 °C to 50.4 °C. The temperature of the lubricating oil and tank for the other pulverizer increased as well, dropping the signal's HanPHI health index to 72.7%.

After receiving HanPHI notifications, the centralized monitoring and diagnostics (CMD) center immediately notified the site of the increasing temperatures. After pulverizer maintenance, the site had closed the cooler outlet valve to rapidly increase the temperature but forgot to reopen the valve once the lubricating oil temperature reached the desired temperature. The site immediately adjusted the valve after receiving the early warning. With HanPHI's early warnings, the site was able to prevent a pulverizer trip that resulted from an operator error.

560-MW

Thermal Power Plant

4

Potential Hours for Maintenance and Stabilization Time if Failed

200-MW

Potential Reduction

\$53,106

in Saved Revenue