

HanPHI

The Catch

In 2015, HanPHI helped a 560-MW thermal power plant save over \$286,000 in maintenance and operation costs by stopping a potential circulating water pump trip.

HanPHI identified a vibration increase on a guide bearing and circulation water pump motor on March 9th. The guide bearing vibration increased to 350 μm when HanPHI expected the vibration to be 192 μm , while the motor vibration increased from 100 μm to 280 μm . The site decided to check the vibrations weekly.

After checking the vibrations weekly, the site utilized HanPHI to determine a steady vibration increase in April. The site prepared a spare motor to replace the motor in case the vibration rose to certain level and planned motor replacement for the next month's overhaul. The site continued to monitor the motor until overhaul.

With HanPHI, the plant prioritized maintenance and planned for future overhauls.

560-MW

Thermal Power Plant

14

Potential Maintenance Time if Failed

360-MW

Potential Reduction

\$286,003

in Saved Revenue