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Earthquake Reconstruction of Thermal Power Plant

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Keywords : earthquake, tsunami, Japan, thermal, Hitachi, reconstruct, Haramachi, damage

Abstract:

After the earthquake that occurred on March 11, 2011, a tsunami struck the northeastern coast of Japan. Due to the earthquake and tsunami, about 20% of Japan's maximum output power (February, 2011) was lost.

And also, a lot of thermal power plants which were supplied and installed by Hitachi were damaged. Hitachi began reconstruction work of the thermal power plants right after the quake. However, it was very difficult to be reconstructed in a short period, because not only had roads, water, power supply, network communication system been damaged , but also labor force was in short supply.

Haramachi thermal power plant is one of the heaviest damaged power plants.

After the quake, tsunami sent walls of water approximately 1m above the 2nd Floor of Turbine building. Hitachi surveyed the damage quickly after the earthquake. A lot of equipment and piping had been washed away. Especially electrical goods were no longer available.

Hitachi surveyed the damage quickly after the earthquake however it was not possible to mobilize soon. It was the beginning of this year when the substantial reconstruction work was started. Owner of the power plant and Hitachi decided to generate electricity within this year. For that purpose, the reconstruction and delivery schedule has been revised many times. An effective management was required in order to make realistic achievement. Hitachi will explain challenge to achieve the schedule earlier than the expected date in this presentation.