

<Abstract Submission>

The high-precise analysis and Design for Turbine Generator

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In recent fierce generator sale competition, it is required that the generator should be both at low cost and with higher reliability.

To reach the goal, it is necessary to design the optimized generator structure while maintaining the high reliability by using the high-precise analytic technology.

HITACHI has developed each part of the component design technology (electrical performance, loss, ventilation, temperature, mechanical vibration, mechanical strength etc.) of generator structure, and then established the further optimum design technique which has been proved by the high-precise analytical technology.

In addition, in order to design swiftly with these technology, HITACHI is attempting to develop the integrated design tool.