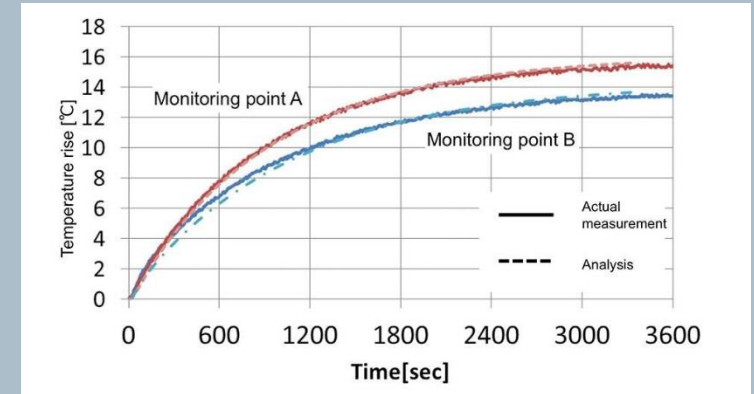




**HITACHI Scanner System Probes**



**Simcenter TSSTER hardware and Simcenter Flotherm comparison**

- Hitachi supplies ultrasound scanner systems and a wide range of probes
- As the performance of probes increase, heat generation is becoming a bigger issue
- International safety standards specify temperature limits for ultrasound probes

- Prediction of the transient surface temperature rise is a key measure used for assessing probes
- With Simcenter Flotherm simulations are ten times faster than before

**“We chose Simcenter Flotherm because it was faster at getting simulation results than our existing tool, easy to mesh, had a good interface with our MCAD software, and it was easy to pass our CFD predictions to our FEA tool.”**

Kazuya Motoki, Hitachi, Ltd., Japan