



AP DYNAMICS
engineering

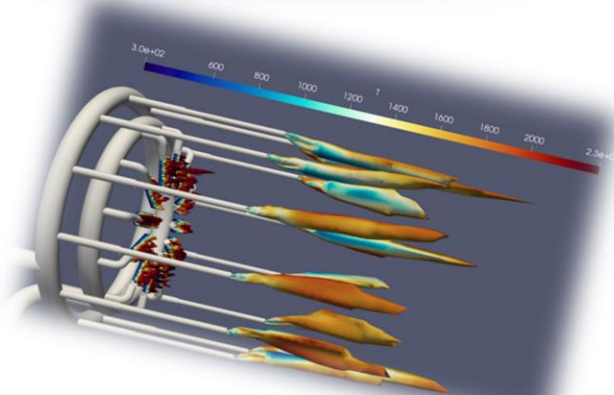
ONCE-THROUGH STEAM GENERATORS

Solving Tough Engineering Problems

AP DYNAMICS provides a complete range of services related to the analysis, design and operation of **Once-Through Steam Generators (OTSGs)**, including vibration field measurement and troubleshooting, thermographic survey, root cause failure investigation, structural FEA and CFD simulations.

We offer **high quality, cost-effective** and **client-oriented** project services using proven **state-of-the-art simulation** techniques.

This is achieved thanks to our experienced engineers understanding of OTSGs physical behavior and their specialization in the latest numerical simulation and measurement technologies to create a **digital twin of your equipment**.



SAMPLE OF COMPLETED PROJECTS

- ✓ Full Structural Evaluation
- ✓ Comprehensive Vibration Testing
- ✓ Thermographic Survey
- ✓ Conjugated Combustion and steam generation
- ✓ NOx Emission Study
- ✓ Burner Tip Vibration Analysis
- ✓ Steam Erosion Research and Modeling
- ✓ Elbow Erosion and Combustion Assessment of Nozzles
- ✓ Full Design Review
- ✓ RCFA of Tubesheet
- ✓ Process CFD and Heat transfer Analysis
- ✓ Development of Structural Inspection Guidelines

