



Progress Report of IAEA Coordinated Research Project

**Advanced Surveillance, Diagnostics and Prognostics
Techniques Used for Health Monitoring of Systems, Structures
and Components in Nuclear Power Plants**

Held At:

International Conference on Opportunities and Challenges for
Water Cooled Reactors in the 21st Century

International Atomic Energy Agency

IAEA

Vienna, Austria

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CRP Progress

- CRP Objectives: Develop and demonstrate the use of advanced SDP technology for health monitoring of SSCs.
- Work Completed To Date: Working meetings held in Vienna, USA, and Republic of Korea.
- Future Plans: Working meeting to be held in Hungary, USA, and Vienna.
- Deliverable: CRP Report including benchmarking results.



CRP Research Areas

- Reactor Signal Noise Analysis
- Acoustic and Vibration Monitoring
- Prognostics and Structural Material Integrity
- Instrument and Equipment Condition Monitoring

Plus

Benchmarking