

U.S. Technical Center



The U.S. Technical Center is the newest addition to the AREVA Solutions Complex, the largest collection of nuclear testing and service offerings in the U.S.

U.S. nuclear power plants can be confident they will meet their obsolescence and safety-related procurement needs thanks to AREVA's proven solutions for commercial grade dedication (CGD) and the most comprehensive and innovative testing capabilities in North America.



Seismic Response Testing

AREVA's seismic testing capabilities feature one of the largest and most capable multi-axial shake tables in North America. Equipment weighing as much as 10,000 lbs. can be tested to 100 Hz with a force of 7g. Our generous testing platform will accommodate large equipment and allow flexibility in fixture design and mounting options.



AREVA has one of the largest and most capable shake tables in North America.

Specification	Value
Platform size	10' x 10'
Frequency limit	100 Hz
Format	Multi-axis; 6 degrees of freedom
Mass, lbs	Force, g
20,000	3.5
10,000	7
1,000	11

2 Equipment and Materials Testing

Equipment and materials testing is performed by qualified engineers and technicians in our fully equipped and modern laboratories. Our testing capabilities and experience includes the following:

Accelerated Thermal Aging

Environmental Test Chambers

- Up to 575 cubic feet of internal space
- -15°C to 150°C
- 0 to 95% Rel. Humidity

Materials Analysis

- Hardness
- Tensile/Compression
- Metallography
- Alloy Analysis

Radiochemistry and Analytical Chemistry

- Corrosion Analysis
- Scanning Electron Microscope
- FTIR Spectroscopy

Failure Analysis



3 Commercial Grade Dedication

AREVA provides everything you need to support your commercial grade dedication and equipment qualification program. Our team is prepared to

- develop commercial grade dedication plans
- define critical characteristics required to provide reasonable assurance
- establish and oversee test plans and inspections
- create a comprehensive QA data package/dedication report and documentation of test results, and
- deliver dedication documentation and components directly to the project or final customer.

AREVA is your one source for commercial grade dedication and equipment qualification testing

- Highly trained and experienced personnel
- Modern equipment and facilities
- Integration with solutions for safety-related procurement and equipment obsolescence

For more information, contact

Darryl Gordon, Project Development Manager
Tel: (434)832-5199
darryl.gordon@areva.com
www.us.aveva.com

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