

Reinforced Concrete Design

Complete Solutions

AREVA's Civil & Layout experts have extensive experience in the design of various reinforced concrete structures. From the design of new reinforced concrete structures using the latest codes and standards to the modification of existing reinforced concrete structures using your plant's codes and standards of record, AREVA's experienced teams of engineers and designers are ready to design your structure to your specifications, or to collaborate with your staff to develop the necessary specifications.

AREVA operates one of the world's largest nuclear power plant engineering organizations and is a recognized leader within the nuclear power industry. From non-safety related equipment foundations to safety related pre-stressed containment structures, from steam generator storage facilities to entire nuclear island complexes, AREVA is fully equipped to provide a complete solution for your reinforced concrete design needs.

Cost-Effective & Focused Approach

AREVA stands ready with comprehensive services to apply the proper mix of solutions to bring maximum value for minimum cost. And we don't stop there. You can count on us to assist with follow-up questions that may arise — we're here for the long haul.

AREVA is committed to help keep your plant online safely and reliably. With U.S. market leadership and global resources, AREVA delivers integrated engineering solutions to improve your plant performance.



Features and Benefits

- Proven industry record
- Strong culture of ownership and customer focus
- Comprehensive PWR and BWR experience
- Full-scope capabilities
- Strong project management processes
- ASME NQA-1 and ISO 9001 Quality Assurance
- Access to AREVA's broad international experience
- ACI/ASME code committee membership
- Ability to approach first-of-a-kind challenges with effective solutions

Technical Capabilities

- Reinforced concrete design for all potential service conditions:
 - Earthquake
 - Hurricane
 - Tornado
 - Aircraft, missile, load drop and blast impact/impulse
 - Hydrostatic and hydrodynamic
 - Pressurization
 - Thermal
 - Piping
- Various concrete design methodologies:
 - Reinforced
 - Pre-stressed
- Design to diverse codes and standards — ACI, ASME, ASCE, IBC
- Design performed to your specified version of applicable codes and standards
- QA compliant software used for analysis and design, such as:
 - ANSYS
 - GT-STRUDL



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