

Civil Works

The effective design, construction, and maintenance of our core infrastructure impacts not only how prepared we are today, but how resilient we are beyond the risks of the future.

A well-operated framework of structures, systems, and facilities is critical for local economies as well as national security. AECOM provides a full suite of integrated services to address complex civil works challenges — whether it's designing critical flood control structures to protect coastal neighborhoods or implementing nature-based solutions to improve environmental outcomes and reverse degradation.

Supporting clients like the U.S. Army Corps of Engineers (USACE), Federal Emergency Management Agency (FEMA), U.S. Department of the Interior, U.S. Department of Agriculture, and regional agencies, we deploy innovative technologies that help transform industry expectations and deliver a broad range of civil infrastructure assets.

The future is resilient. See it for yourself.

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Key services

- Climate adapted infrastructure
- Climate scenario risk analysis
- Construction
- Dams and levees, including safety
- Design and engineering
- Dredging
- Ecosystem restoration
- Environmental services
- Erosion control
- Flood risk management
- Hydropower
- Impact assessments
- Multi-criteria decision analysis
- Nature-based solutions
- Ports and marine facilities
- Shore protection
- Water supply

#1

engineering design
firm (2025 *ENR*
magazine)

#1

dams and reservoirs
(2024 *ENR*
magazine)

#3

marine and port
facilities (2024 *ENR*
magazine)



Critical infrastructure. Lifecycle solutions.



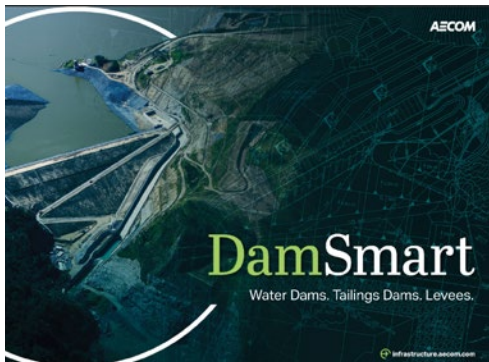
Calaveras Dam Replacement (CA)
Planning, permitting, and conceptual and final engineering design services that met dam safety and strict environmental compliance requirements



Mosul Dam Rehabilitation (Iraq)
A/E services in support of USACE Engineer of Record during rehab focused on foundation grouting and repair of bottom outlets



Inner Harbor Navigation Canal Protection (LA)
Part of design-build team that constructed 9,000-ft surge barrier in New Orleans, preventing significant damage during future hurricanes



DamSmart™ Data Management System
Developed proprietary system that provides long-term dam assessments to help clients maintain safety programs and achieve regulatory compliance requirements



Boardman River Dam Removal (MI)
On Michigan's largest river restoration project, supported USACE with work including natural channel design, structural and geotechnical analysis of dam breaching, and sediment management



Herbert Hoover Dike (FL)
Supporting USACE Jacksonville with QA services, including monitoring construction along 55+ miles of earthen dam, hurricane gates, water control features



Dept. of Water Resources Levee Program (CA)
Geotechnical analysis of 1,900 mi of levees to determine whether they meet USACE criteria and identify remedial actions needed to bring levees to a 200-year flood level of protection



Wolf Creek Dam Instrumentation System Design, Installation & Operation (KY)
Provided some of the most critical dams with safety performance monitoring/early warning systems



Green Brook Flood Risk Management - JV (NJ)
Fast-track design of more than \$20M in construction to meet ARRA funding requirements