

## Delivering Valued Solutions

- **National Security Enabler** — Leveraging our regional alignment and global presence, unique authorities, relationships, agreements, and integrated civil-military capabilities to support our Nation's security objectives at home and abroad.
- **Responsive Tailored Solutions** — Responding quickly to wide ranging needs throughout the world with innovative solutions, flexible staffing, diverse technical capabilities, and acquisition tools.
- **Force Multiplier** — Assembling expertise and expandable, multidisciplinary technical teams by leveraging capabilities from across the Corps, other agencies, academia, and private sector.
- **Technical Competence** — Continuing to deliver technical and engineering excellence and build alliances with technical leaders in the field from academia, professional associations, public agencies, international organizations, and industry to bring the best solution to bear.
- **Collaborative Approach to Complex Challenges** — Applying conflict resolution, collaboration, and participation methods and tools to aid decision-making and solve complex problems.

## Where We Are.....Around the Globe



## Our Capabilities

### A/E and Construction Services

#### Facility and Infrastructure

##### Planning, Design, Construction, Rehabilitation and Renovation

Chemical Plant, Disposal Site,

Hazardous Waste Treatment, and

Fissile Storage Facilities

Medical, School Child Care,

Correctional Fitness, Emergency, and

Housing Facilities

Power and Hydroelectric Facilities

Transportation (Aviation, Bridges,

Tunnels, Railroads, Roads, Ports)

Water Resources (Flood Control

Structures, Waste/Water Treatment)

Multipurpose Facilities

Space Launch Facilities

#### Security Measures

Anti-Terrorism/Hardening/Intrusion

Detection Systems

#### Operations and Maintenance

Installations (Housing, Road, Utility,

Hospital, and Industrial Facilities)

Water Resources Infrastructure

- Hydropower

- Locks/Dams/Ports/Reservoirs

Parks and Recreational Sites

Dam Safety

#### Procurement and Contracting

Alternate Dispute Resolution

Architect / Engineering, Construction

and Job Order Contract Services

Equipment/ Supplies

Facilities Management

Energy Savings Performance/Utility

Energy Services Contracts Partnering

Third Party Contracting

#### Real/Estate

Acquisition, Leasing, Appraisal,

Disposal and Management

### Engineering & Other Disciplines

#### Engineering

Electrical

Environmental

Hydraulics/Hydrology

Leadership in Engineering and

Environmental Design (LEED)

Mechanical

Naval Architecture/Marine

Engineering

Security Engineering (Electronic

Security, Explosive Safety, Protective

Design, Blast/EMP Protection)

Structural

Transportation

#### Sciences

Archeology, Biology, Chemistry,

Economics, Geology, Hydrology

#### Other Disciplines

Architecture

Asset Management

Building Information Management

Cost Engineering/Estimating

Navigation

Seismic Analysis and Design

Site Selection/Development

Surveying/Mapping

Value Engineering

Water Resources Management

### Planning

Alternatives/Economic Analysis

Environmental Planning

Financial Planning

Housing Analysis

Master Planning

Multi-Objective Planning

Noise Abatement Studies

Climate Change

Water Resources and Recreation

Strategic / Long-Range Planning

### Program and Project Management

Configuration Management

Communication and Coordination

Life Cycle Costs

Performance Monitoring Reports

Quality Management

Construction Management Oversight

Energy/Sustainability and

Environment

Accountability

### Environment

#### Environmental Remediation

Environmental Monitoring

Investigation/Analysis/Design

Hazardous and Toxic Wastes

Ordnance and Explosives

Community Relations

Construction

Wetlands Delineation

Groundwater Modeling Systems

Chemical Containment Testing and

Energy Master Planning

Identification

#### Environmental Restoration

Feasibility Studies

NEPA Compliance

Plan/Design Remediation

Construction

Ecosystem Restoration

#### Integrated Water Resources Management

Flood Risk Reduction

Dam and Levee Safety

Shoreline and Coastal Protection

Dredging (Design, Procurement,

Excavation, and Maintenance)

Consensus Building/Conflict

Management

Reservoir and Basin Systems

Analysis

Natural Resources Management

### Research and Development/ Applied Science & Technology

Coastal and Environment Engineering

Climate Change

Cold Region Construction

Economic/Socio-Cultural Analysis

and Tools

Energy/Sustainability and

Environment

Investment Decision Support

Methods and Models

Geotechnical/Subsurface

Investigations and Analysis

Hydraulic/Hydrology

Geospatial Information and Services

(Mapping, Terrain Analysis, Remote

Sensing, and Image Processing Tools

and Systems)

Security/Electronic Security Measures

Survivability and Protective Structures

### Energy

Energy Engineering Analysis

Energy Master Planning

Utility Monitoring and Control System

### Disaster Risk Management

Expeditionary and Reach-Back

Engineering Support

Civil-Military Emergency

Preparedness (CMEP)

Critical Infrastructure Protection

Drought Assistance Planning and

Remediation

Flood Risk Management/Flood Fight

Response

Preparedness Planning

#### Disaster Response and Recovery

Damage Appraisal

Urban Search and Rescue

Design and Construction

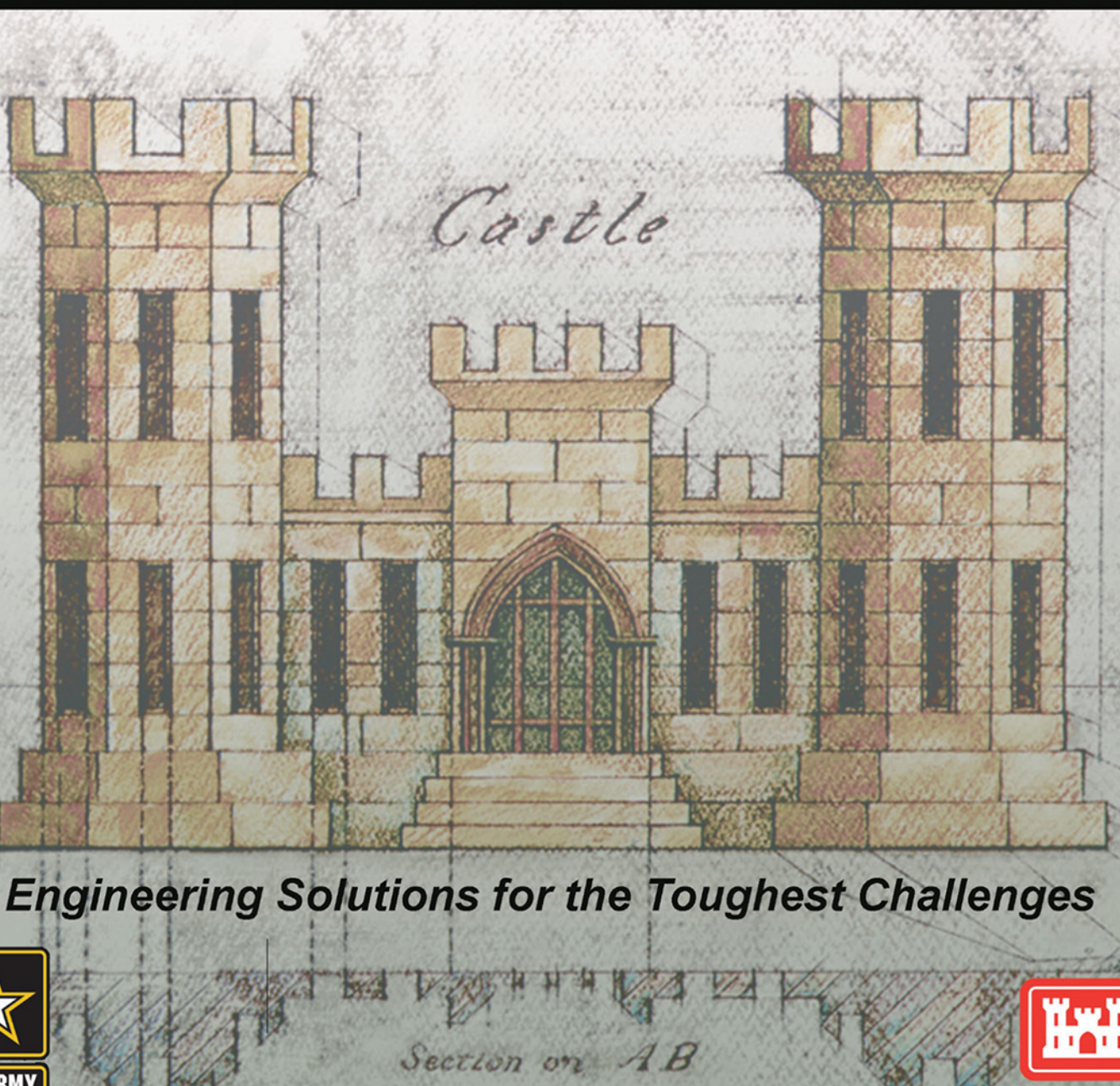
Restoration of Services

Emergency Demolition and

Stabilization of Damaged Structures

# US Army Corps of Engineers

## Interagency and International Services



## Interagency and International Services (IIS) Mission:

IIS integrates capabilities and expertise from across the Corps of Engineers in all mission areas to deliver valued advisory, technical, and engineering solutions at home and abroad to achieve national security and partner strategic objectives.

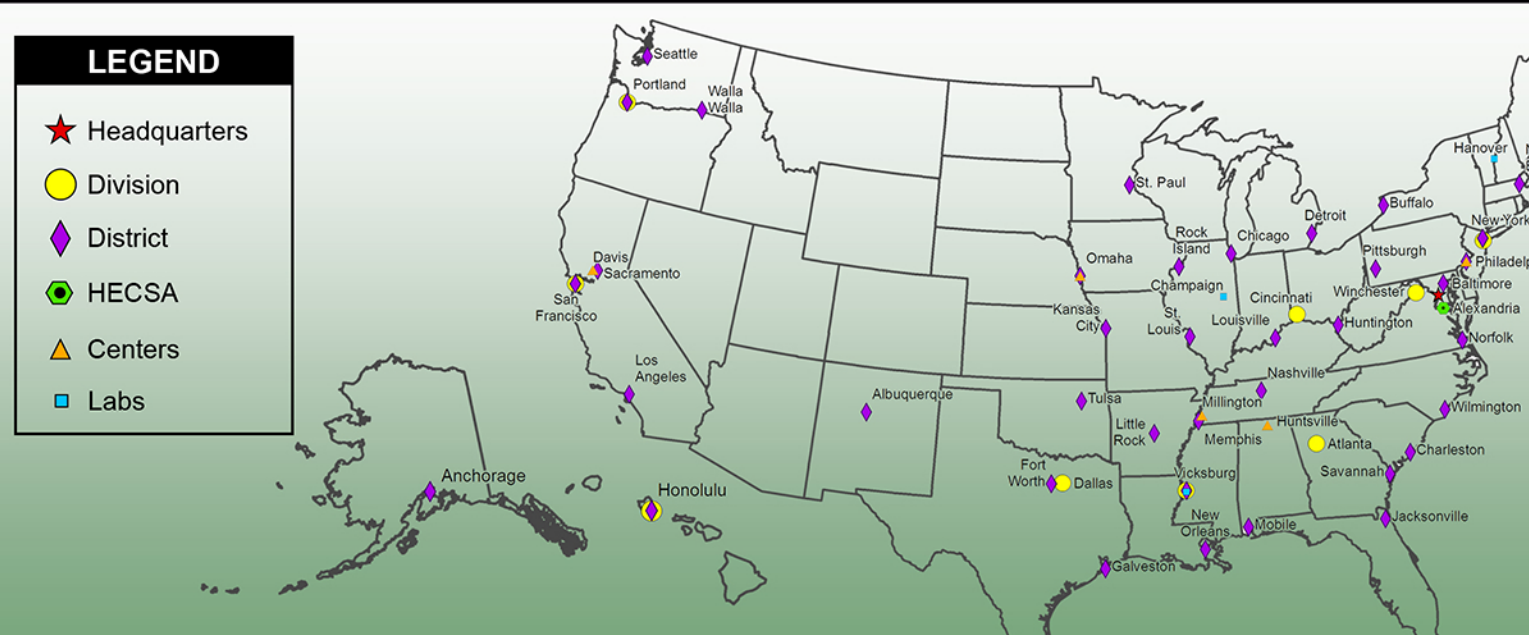
## Our Partners:

- Non-Defense Federal Agencies
- U.S. Combatant Commands and Service Component Commands
- State and Local Governments
- Tribal Communities
- Foreign Governments
- International Organizations

## Our Capabilities at a Glance:

- Expeditionary Support
- Disaster Risk Management and Resilience
- Engineering Solutions
- Energy and Environmental Stewardship
- Integrated Water Resources Management
- Research and Development
- International Presence and Experience

## Where We Are.....At Home



To Learn More...

[www.usace.army.mil/Missions/MilitaryMissions/InteragencyInternationalSupport.aspx](http://www.usace.army.mil/Missions/MilitaryMissions/InteragencyInternationalSupport.aspx)





# U.S. Army Corps of Engineers Interagency and International Services — Delivering Valued Engineering Solutions

## Engineering Solutions

Delivering value is at the heart of our organization. Working collaboratively with organizations across the public, military and private sector, we strive to deliver integrated, innovative, and sustainable solutions that draw upon our collective capabilities and expertise to address a dynamic and broad range of technical and engineering challenges facing IIS partners at home and abroad. Fundamental to the delivery of engineering excellence are our guiding principles, that set forth the building blocks for how we think, engage, and shape partner-driven solutions.

### Spectrum of Solutions

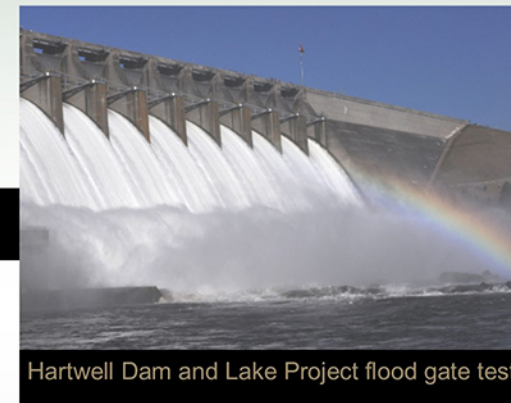
USACE provides a spectrum of technical and engineering solutions that include end-to-end facilities and infrastructure services, technical services, and science and technology applications.



## Integrated Water Resource Management

For over 200 years USACE has served as a trusted steward of some of the Nation's most valuable natural resources. As a leader in public engineering and water resources management, we continue to develop new and innovative approaches to address the Nation's evolving needs and challenges.

This includes employing a holistic strategy to work through complex and changing conditions within and among watersheds and applying tools, methods, and collaborative processes to balance competing stakeholder interests. We do this through community involvement and ensure the coordinated development and management of water, land and related resources.



## Sustainability

USACE is committed to delivering quality and responsive products and services to our partners in a manner that is environmentally, economically, and socially sustainable and that focuses on public safety and collaborative partnerships.



## Infrastructure and Security

Through its seven Research and Development laboratories and centers, USACE provides innovation in:

- Adaptive protection
- Sustainable development
- Master planning and investment tools
- Socio-cultural research and development
- Cold regions solutions and services
- Structural monitoring and assessment

**Left:** Technician tests soil at the Materials Testing Regional Technical Center of Expertise in Marietta, GA.

## Facilities and Infrastructure

### End-to-End Architect-Engineer and Construction Services

USACE performs as the Design and Construction Agent for a number of organizations, and our services include:

- Includes acquisition, planning, designing, constructing, sustaining, and disposing of public facilities, theater support facilities, and partner nation public works infrastructure.
- Planning
- Design
- Quality Management

**Right:** Engineers and structural experts kept a constant watch on the heavily damaged structures surrounding Ground Zero following 9/11.



## Technical Services

### Environment

USACE provides high-quality environmental solutions to the Federal, state and local government partners. Serving as a public agent, we enable our partners to fulfill their role as stewards of the environment by delivering effective sustainable solutions that:

- reduce risk,
- protect human health and the environment,
- conserve cultural and natural resources, and
- comply with federal, state and local laws, and regulations.



### Management and Oversight

USACE employs a comprehensive and disciplined construction quality management process in program and project management.

**Left:** Program Management Consortium Contract for Relocation to build a new U.S. military base in Pyeongtaek, Korea

**Right:** Park Ranger talks to students with a video monitor displaying underwater fish habitats.

### Disaster Preparedness, Response, and Recovery

USACE plays an integral role as the federal government's lead public works and engineering support agency in national disaster and emergency preparedness, response, and recovery activities.

We leverage our expertise to provide technical support to civil and military agencies around the globe, exchange best practices, engage in collaborative dialog, and exercise plans and procedures in the areas of:

- Civil-military disaster planning and response
- Critical infrastructure protection
- Resilient communities and infrastructure
- Threat monitoring and forecasting

### Risk-Informed Decision Making and Analysis

USACE has been engaged in risk analysis since the beginning. This practice is integral to how we approach military, civil works, contingency, environmental, and research and development mission areas.

Every employee is responsible for assessing, managing, and communicating risk to ensure we are delivering effective solutions based on informed decisions that address uncertainties and ensure our partners achieve their intended outcomes through the following methods:

- Technology-supported stakeholder engagement
- Decision modeling and adaptive management
- Portfolio optimization and resource allocation
- Life-cycle risk analysis
- Resilience and system analysis



### Geospatial Information and Services

USACE Research and Development laboratories and centers provide the latest technology in:

- Geospatial reasoning and analysis tools
- Remote sensing Imagery and GeoData Sciences (Human Terrain Analysis)
- Rapid mapping and assessment tools

### Water Resources and Environmental Science

As the Nation's guardian of navigable waterways and key water resource managers, USACE Research and Development laboratories and centers provide:

- Decision support tools
- Environmental sustainability and energy security
- Hydrologic engineering and water management modeling
- Coastal surge and inundation mapping
- Climate change research and adaptation expertise

**Left:** Many older homes and buildings in New Orleans, LA, that were destroyed by Hurricane Katrina contained asbestos. USACE was mandated to follow strict environmental protocols in the demolition of these homes that were designated Regulated Asbestos Containing Material (RACM) demolitions.



Corps tests new Isabella Dam model observing water flowing at the Isabella Dam Safety Modification Project in Logan, UT.

## Research and Development