



Environmental Protection and Cleanup

U.S. Companies Serving International Needs



The International Environmental Cleanup Alliance

IECA is a group of Engineering, Science and Technology service providers with extensive experience and proven, cost-effective approaches for remediation and protection of groundwater and land resources. Companies in the alliance have been instrumental in the safe and effective cleanup of the U.S. Department of Energy's Hanford Site, which has a legacy of nuclear and chemical waste from Cold War weapons production, dating as far back as the Manhattan Project. Through their innovative services and ingenious engineering, IECA companies have made significant contributions to environmental cleanup at Hanford and many other contaminated sites.

Now the IECA is offering the environmental services and technical expertise of these experienced companies to help international clients address environmental issues facing the global community. International clients can call any one company in the alliance or they can contact IECA for assistance in accessing the multiple or integrated resources of several alliance members. This single-source access provides individual services or complete solutions to challenging pollution, groundwater and soil contaminant problems.



Capabilities for Protecting the Environment

IECA member capabilities are wide-ranging and include services and expertise for all aspects of environmental protection and remediation.



Project Planning & Management

- Planning & logistics for efficient, cost-effective project execution
- Design & implement quality assurance programs, including NQA-1 standards
- Rigorous management of scope, schedule / critical path, cost, procurement, quality, communications, risk, performance, and earned value

Site Investigations

- Site surveys & assessments
- Feasibility studies
- Identify & characterize pollutants & chemical, nuclear, mixed waste
- Fate of contaminants in the environment - subsurface transport & plume migration
- Monitor & protect groundwater resources
- Risk assessments
- Impacts of contaminants in the environment
- Impacts to human & ecological health

Remedial Design & Engineering

- Waste site cleanup - advanced technologies
- Groundwater & soils cleanup - construct, install, operate remediation systems
- In-Situ Pump & Treat Systems for removal of groundwater contamination
- Decontamination, decommissioning & disposal - nuclear & non-nuclear facilities
- Operations and maintenance of treatment facilities
- Long-term monitoring - surface water, groundwater & terrestrial

Waste Treatment & Handling

- Assess & secure waste-storage tank integrity
- Waste sampling & analysis
- Packaging, storage & transport
- Chemical Inventory systems
- Chemical container tracking & management
- Waste treatment & stabilization
- Remote-handling & robotic systems for extreme environments
- Chemical, nuclear & mixed waste handling systems
- Emergency response services - spill cleanup & management
- Training - chemical & hazardous waste management

Construction, Architecture Engineering

- Construction project management,
- Project controls, estimation, safety, QA
- Design-build projects - new construction, demolition, remodeling
- Nuclear & non-nuclear facilities - architecture, design, , construction, engineering, fabrication, operations & maintenance
- Engineering services - civil, electrical, mechanical, chemical, structural, & construction

Worker Health & Safety

- Radiation & chemical exposure assessment & protective measures
- Workplace Safety Programs to control hazards & protect workers
 - ♦ Safety training programs
 - ♦ Respiration protection & PPE
 - ♦ Radiological engineering
 - ♦ Establish & control personnel entry into hazardous environments
 - ♦ Plan & control open-air demolition projects
- Program/Project management
- Advanced ventilation & emission control systems
- Hazard analysis
- Industrial Hygiene

Risk Management & Public Involvement

- Risk communications, public involvement
- Emergency preparedness & response



IECA Members

IECA member companies offer extensive environmental services. We invite you to visit their websites to learn more about the companies and their scope of services.

Apollo Federal Services – Full mechanical construction services including sheet metal fabrication, HVAC contracting and design, industrial piping/plumbing, Direct Digital Controls, energy conservation, LEED Building Information Modeling and LEED Coordination Management, and facility maintenance.

www.apollosm.com

AREVA – Global nuclear power company operating in all aspects of the nuclear fuel cycle: uranium mining, enrichment, nuclear facility design, fuel fabrication, reactor design, reprocessing, renewables, used fuel management, radioactive waste packaging, deactivation and decommissioning.

www.areva.us.com

Babcock Services Inc. – Serving the nuclear industry through professional technical and engineering services for construction management, environmental engineering, and remediation.

www.babcockservices.com

Dade Moeller & Associates

Radiological and nuclear services, occupational safety and health, environmental protection, and a training academy for radiation safety. Internationally recognized expertise in radiation protection, health physics and worker safety.

www.moellerinc.com

EnergySolutions – An international nuclear services company and a global leader in the safe recycling, processing and disposal of nuclear material. Services include nuclear decommissioning and remediation, management of spent nuclear fuel, transportation of spent nuclear fuel, and environmental cleanup.

www.energysolutions.com

Freestone Environmental Services

A multi-disciplinary environmental and water resource consulting firm offering environmental compliance and regulatory support, environmental investigation, risk assessment, remediation, hazardous waste management, ecological and environmental studies, environmental sensors, and remedial action cost estimation.

www.gofreestone.com

DGR Grant, Inc. – A general contractor with extensive experience in nuclear facilities.

www.gagrantinc.com

Independent Strategic Management

Solutions – A management and technical consulting business that works with both government and private organizations. Areas of focus include energy, nuclear, environmental, national security, defense, and electrical utility services.

www.ismsinc.com

Indian Eyes, LLC – Services in project management, staffing, plant operations, and construction interface, as well as equipment rentals.

www.indianeyesllc.com

Kurion, Inc. – Isolating waste from the environment. Cost-effectively treating radiological and hazardous waste around the world using proven technologies.

www.kurion.com

Lampson, Inc. A leader in the heavy lift and transportation industry.

Provides large cranes and crawlers, along with 350 m of equipment.

www.lampsoncrane.com

Meier Architecture Engineering

A full-service architecture and engineering consulting firm. Staff includes registered architects and licensed professional engineers in civil, electrical, mechanical, and structural engineering. Certified in Leadership in Energy and Environmental Design.

www.meierinc.com

Mid-Columbia Engineering /

NuVision – A technology and applications engineering company serving the energy and environmental industries. Providing commercial nuclear and power plant engineering and services, legacy waste management, robotics, decontamination, NQA-1 fabrications and design, and staffing services.

www.nuvisioneng.com

Navarro Research & Engineering

A contractor for the DOE, NNSA, and NASA. Providing environmental, renewable energy and energy efficiency, nuclear, information technology, and quality and safety services.

www.navarro-inc.com

Northwest Technical Resources

A staffing service providing engineering, management, and technical support.

www.ntrusa.com



Ojeda Business Ventures, LLC

A full-service general contractor. Construction services for design-build of new structures, demolition, modifications and remodeling, and structural upgrades to operating facilities. Areas of expertise include construction, project management, project controls, engineering, estimating, safety, and quality assurance. www.obvllc.com

Perma-Fix Northwest – Complete waste management through the entire waste lifecycle, including waste planning and program development, management

and treatment of radioactive and hazardous waste. Owns and operates four waste processing facilities capable of treating a wide variety of waste matrices. Nuclear services include project management, remediation, decontamination and decommissioning, and radiological protection. www.perma-fix.com

Tetra Tech, Inc. – Offers remediation program management expertise through consulting, engineering, remediation, and construction services. Specializing in ex-situ and in-situ remedial

technology, site surveys, site investigations, risk assessments, feasibility studies, remedial design and engineering, remedial construction, site closure, and site restoration. www.fteci.com

Vista Engineering Technologies

An NQA-1 engineering company that specializes in engineering design and analysis, remote systems, environmental engineering, energy and sustainability, and technology services for both government and industry. www.vistaenr.com

Offering a depth of experience and advanced technical services
for environmental protection and cleanup

The International Environmental Cleanup Alliance

The International Environmental Cleanup Alliance (IECA) represents American businesses that have supported the U.S. Department of Energy's cleanup mission at Hanford. The 560-square-mile Hanford site embodies the world's most extensive, complex and expensive environmental cleanup program.

Representative Hanford projects have included

- 1) demolition, decommissioning and decontamination of chemical and nuclear facilities,
- 2) monitoring and cleanup of contaminated sites and groundwater,
- 3) robotic systems engineering and deployment for hazardous and nuclear waste applications,
- 4) construction of large, complex pump and treat

facilities for groundwater remediation, 5) soil excavation and disposal and site restoration, and 6) support for retrieval of mixed nuclear and chemical waste from Hanford's 177 underground waste storage tanks. Projects have been performed with a focus on safety and health, regulatory compliance, disciplined project management and rigorous quality control.

Now, through the IECA, U.S. companies are offering their Hanford-proven expertise to serve global needs. International clients can capitalize on the collaborative power of our alliance to access a wide range of cost-effective environmental protection and cleanup services. Clients can connect with individual companies or the integrated services of two or more companies. We invite you to contact the IECA to find the environmental services and solutions you need.

Contact Us

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Globally applying U.S. knowledge and advanced technology to
environmental challenges

