



# UMCS Architect-Engineer Contract

Program Manager 256-895-1839

**U.S. ARMY CORPS OF ENGINEERS**

**BUILDING STRONG®**

The U.S. Army Corps of Engineers maintains a Center of Expertise (CX) and a Mandatory Center of Expertise (MCX) certification for Utility Monitoring and Control Systems (UMCS) at the U.S. Army Engineering and Support Center, Huntsville, to provide quality oversight and technical expertise in the design and installation of utility monitoring and control systems.

The UMCS MCX was established in 1979 in response to recurring problems in the design and installation of UMCS projects throughout the Department of Defense. The UMCS MCX develops and maintains criteria, specifications and relevant technical solutions that incorporate the latest technological advances and industry standards.



**Engineers review UMCS goals and plans.**

- Master Planning
- Master Programming
- Feasibility Studies
- Engineering Reports
- Designs/Criteria Development
- Cost Estimating
- Value Engineering
- Commissioning and Retro-Commissioning
- Investigating Site Conditions
- Computer Energy Modeling
- Factory Test Participation
- Security Engineering

## **Architect-Engineer (AE) contract scope**

The AE contract work primarily encompasses services for investigation, planning, design and testing of UMCS; Building Automation Systems (BAS); Fire Alarm Systems (FAS); Fire Protection Systems; Supervisory Control and Data Acquisition (SCADA) Systems; Heating, Ventilating and Air Conditioning (HVAC) Systems; Retro-Commissioning of UMCS/BAS and HVAC, telecommunications systems; alternative energy systems; Electronic Security Systems (ESS); Physical Security Systems; Automated Control Systems; and other electrical/mechanical systems.

## **Contract vehicles**

The UMCS Product Delivery Team supports the Department of Defense and other government agencies worldwide using Indefinite Delivery/Indefinite Quantity Multiple Award Task Order Contracts for procurement of these services.

---

**U.S. Army Corps of Engineers – Engineering and Support Center, Huntsville**  
P.O. Box 1600, Huntsville, AL 35807 Public Affairs Office 256-895-1694  
[www.hnc.usace.army.mil](http://www.hnc.usace.army.mil)

Distribution A - Approved for Public Release - Unlimited Distribution - Release 1809