



UMCS Technical and Programmatic Support Services Contract

Program Manager 256-895-5245

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

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

The UMCS MCX is the backbone to a turnkey program offering comprehensive, professional, high-quality, reliable, cost-effective and cyber secure products and technical solutions for customers. Established in 1979, the UMCS MCX develops and maintains criteria, specifications and relevant technical solutions that incorporate the latest technological advances and industry standards.

UMCS Technical and Programmatic Support Services (TPSS) Contract Scope

Huntsville Center's IDIQ MATOC for technical and programmatic support services supports the UMCS and Electronic Security Systems (ESS) programs. The scope includes:

- Restoring building equipment and systems of a facility to their original intended use and design parameters by providing inspections, functional tests, recommendations and minor repairs under retro-commissioning (RCx) requirements
- Performing surveys and assessments
- Reviewing technical documents such as plans, site surveys reports, and security assessments
- Preparing after action reports and other reports
- Performing technical inspections of systems and/or equipment
- Purchasing special equipment as required (including equipment required to test, configure and demonstrate system concepts and applications)
- Troubleshooting, evaluating and developing system remediation, operations and improvements including testing, and demonstrating system concepts and applications
- Configuring and/or programming systems, diagnostic applications, and controls
- Calibrating sensors and altering Direct Digital Control (DDC) systems to meet sequences of operations
- Providing assessments of technology and recommending systems equipment and integration in order to achieve improved capability and/or functions
- Providing Information Assurance (IA) support for system(s) testing, accreditation and fielding
- Providing Testing, Adjusting and Balancing (TAB) for air and water systems related to HVAC
- Performing minor repairs and alterations ancillary (incidental) to other tasks identified above
- Providing systems monitoring/operations services
- Providing system administration services
- Providing training/instructor services
- Developing master plans for the specific systems

The scope includes work in the continental United States (to include Alaska, Hawaii and other U.S. territories and possessions), as well as Germany, Italy, Japan and South Korea.

Contract Vehicles

The UMCS PDT supports Department of Defense and other government agencies worldwide by procuring professional services through Indefinite Delivery/Indefinite Quantity (IDIQ) Multiple and Single Award Task Order Contracts (MATOC/SATOC). The PDT maintains a comprehensive suite of procure/install, Architect-Engineer, maintenance and service, and technical support contract vehicles to meet customer needs.

U.S. Army Corps of Engineers – Engineering and Support Center, Huntsville

P.O. Box 1600, Huntsville, AL 35807 Public Affairs Office 256-895-1694

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UMCS Architect-Engineer Contract

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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 at Huntsville Center 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 System (ESS); Physical Security Systems; other Automated Control Systems; and other electrical/mechanical systems.

Contract Vehicles

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

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