



Utility Monitoring and Control Systems

Program Manager 256-895-5245

U.S. ARMY CORPS OF ENGINEERS

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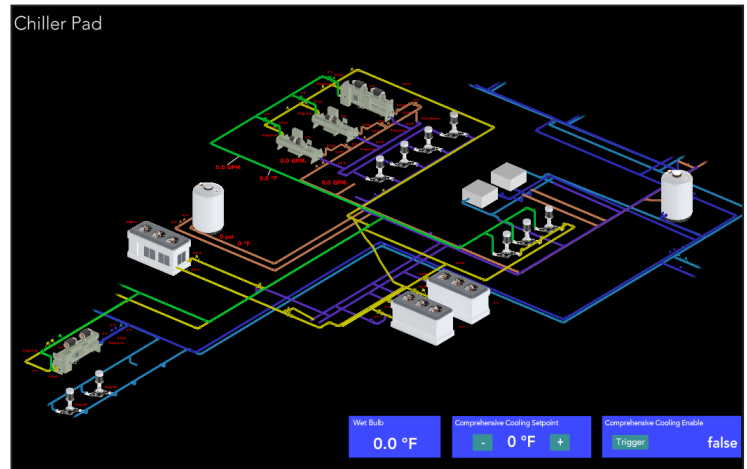
The U.S. Army Corps of Engineers maintains a Utility Monitoring and Control Systems Mandatory Center of Expertise (UMCS MCX) at the U.S. Army Engineering and Support Center, Huntsville to provide quality oversight and technical expertise in the design and installation of UMCS.

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 Contract Scope

- The UMCS Product Delivery Team's work primarily encompasses design, procurement and installation of UMCS; Heating, Ventilating and Air Conditioning equipment; chiller/boiler system controls integration; fire alarm and fire protection systems; Supervisory Control and Data Acquisition Systems; life safety control systems: chemical, biological and radiological contaminant detection, filtration and response; utility metering; and other Automated Control Systems.
- The UMCS Product Delivery Team (PDT) completes site surveys; develops equipment installation plans; incorporates cyber security system engineering; provides hardware and software; tests and checks out systems; performs facility modification and construction as required to support equipment installation; interfaces with and installs new data transmission equipment; determines compatibility of new equipment with existing systems; prepares system and component documentation; provides operation and maintenance manuals; provides training; warrants systems; maintains and services systems; operates and monitors systems; prepares after action and other reports; and provides as-built installation drawings.
- The PDT provides government agencies the system control and monitoring to implement application programs that enhance their capability to achieve the federally mandated energy goals and objectives.
- The PDT can procure services to assist facilities in manning system operations centers such as Central Utility Plants and Base Operations Control Centers.
- The PDT assists customers in obtaining and maintaining a cyber security accreditation for networks and/or stand alone systems.



Screen shot of a chilled water system

Contract Vehicles

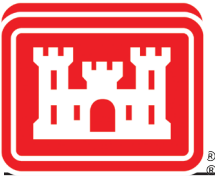
The UMCS PDT supports Department of Defense and other government agencies worldwide by procuring professional services through Indefinite Delivery/Indefinite Quantity (IDIQ) Multiple and Single Award Task Order Contracts (MATOC/SATOC). The PDT maintains a comprehensive suite of procure/install, Architect-Engineer,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

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

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UMCS Maintenance & Service Contract

Program Manager 256-895-5245

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The U.S. Army Corps of Engineers maintains a Center of Expertise (CX) as well as 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.



Maintenance is performed on a chiller.

UMCS Maintenance and Service (M&S) Contract Scope

- The M&S contract work consists of executing preventive (PM) and corrective maintenance (CM). The objective is to preserve and maintain the systems in such a condition that they may be effectively used for their designated functional purpose.
- The scope includes but is not limited to electronic data acquisition and control systems to include UMCS; supervisory control and data acquisition (SCADA); heating, ventilation and air conditioning (HVAC) systems; alternative energy systems; fire and life safety systems; building automation systems (BAS); chemical, biological, radiological containment detection/filtration/response; utilities metering; mass notification systems (MNS); and other systems requiring electronic monitoring and control.
- Preventive maintenance can be tailored based on the customer's operational needs and budgetary constraints. In other words, the customer may elect to fund PM for all or specific equipment based on his budget and/or repair needs.
- Corrective maintenance funds can be incrementally added to the task order using current year appropriations. This creates a budget friendly process for customers to pay for maintenance as it is needed and/or as additional funds become available.
- Retro-commissioning services can be procured utilizing this contract vehicle, providing our customers with the unique ability to perform repair and replacement tasks. This enables customers to determine, prioritize, and repair facility deficiencies utilizing CM procedures.
- The cyber security posture of system will be maintained throughout the duration of the contract.

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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