

# Utility Monitoring and Control Systems

Program Manager 256-895-1839

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

**BUILDING STRONG®**

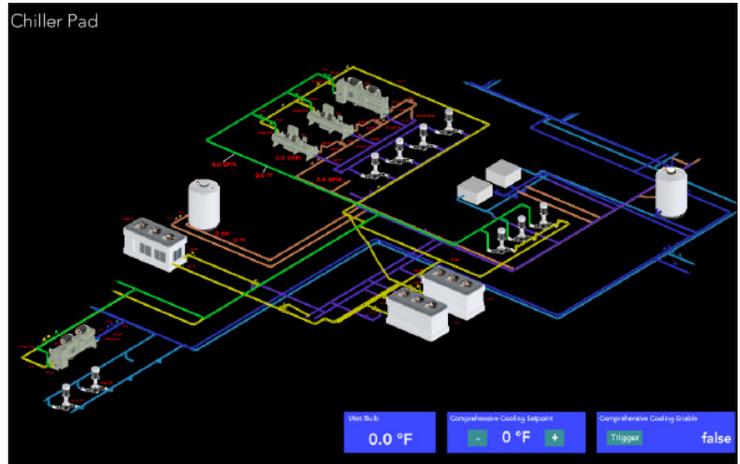
The U.S. Army Corps of Engineers maintains a Utility Monitoring and Control Systems Mandatory Center of Expertise (UMCS MCX) at the U.S. Army Engineering and Support Center, Huntsville to provide quality oversight and technical expertise in the design and installation of UMCS.

The UMCS MCX is the backbone to a turn-key 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 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**

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

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