Facility Technology Integration - Medical

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG ®

The U.S. Army Corps of Engineers, Huntsville Center, Facility Technology Integration Division - Medical (FTI-M) program offers technical expertise in the design, development, procurement, integration, installation, and project management oversight for the implementation of Facility Communications Distribution Systems (FCDS) for the Department of Defense medical community.

FTI-M offers comprehensive cyber-ready technical solutions to assist customers in meeting challenges in the field of FCDS in accordance with Chapter 12 - Communications, of the Unified Facilities Criteria 4-510-01, Design: Military Medical Facilities and Table 4-2 of Army Regulation 420-1.

Examples of supported systems include:
- Communications rooms and spaces
- Server rooms and data centers
- Internet protocol addressable systems
- Voice Over Internet Protocol systems
- Wireless access points
- Nurse call systems
- Paging systems
- Interactive television systems
- Audiovisual systems

FTI-M supports a variety of facility communication distribution systems. Sample projects include:
- Hospital data centers
- Wayfinding systems
- Wireless networks
- Distributed antenna systems
- Real-time locator systems
- Wireless hands-free communication systems
- Medication management systems
- Wireless network solutions
- ITV (Smart Suite) solutions
- Automated Call Distribution Systems

Our project delivery teams are multidiscipline, multi-organizational teams that work with stakeholders to manage all phases of communications projects. The FTI-M program ensures proper integration of FCDS equipment into the building design and coordinates installation with the construction schedule.

Automated Meds Management

USACE districts responsible for new medical center projects can contact FTI-M for assistance with outfitting medical facilities with state-of-the-art technological solutions to complement their construction projects. Additionally, the FTI-M project delivery team can assist customers in the maintenance of installed communications systems and the implementation of technology upgrades.

Recent key FCDS infrastructure projects include:
- Fort Riley, Kansas, Irwin Army Community Replacement Hospital (FY 15): $18 million
- Fort Hood, Texas, Carl R. Darnall Army Medical Center Replacement Hospital (FY 16): $21 million
- Fort Irwin, California, Weed Army Community Replacement Hospital (FY 16-17): $14 million
- Camp Humphreys, South Korea, Brian Alligood Community Hospital (FY 18-19): $6 million
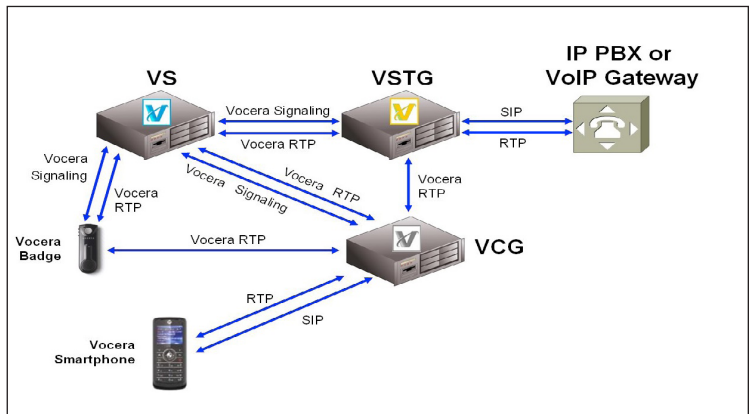
Why choose the USACE FTI-Medical program?
- FTI-M operates a $90 million Vocera Wireless Hands Free Internal Communication System SATOC, which expedites design and implementation of new systems and obtaining maintenance-related parts, licensing, and support
- Experience supporting districts and Medical Support Teams
- Technical expertise that provides solutions, project management support and oversight to meet various FCDS requirements
- Proven experience delivering medical-facility-related communication distribution systems and solutions worldwide
- Dedicated engineering, project management, contracting, resource management and legal staff

The FTI-Medical team certifications include:
- Project Management Professional (PMP)
- CompTia - Security+ and A+
- Certified Advanced Security Practitioner (CASP)
- VMware Certified Professional (VCP) - Data Center
- Cisco Certified Network Associate (CCNA) - Routing and Switching
- Juniper Enterprise Routing and Switching (JNCIS-ENT)
- NetApp Data Storage Area Network Administrator
- Microsoft Certified Systems Engineer (MCSE)
- Army Acquisition Corps Members and DAWIA certified professionals in Information Technology, Facilities Engineering, Project Management and Contracting

Hospital wayfinding systems

Wireless internal communications systems

Key Customers
- **Defense Health Agency (DHA)**
- **U.S. Army Medical Command (MEDCOM) and Regional Health Commands (RHC)**
- **U.S. Army Health Facility Planning Agency (HFPA)**

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