

## Fletcher Allen Health Care

::: Case Study

**Location:** Burlington, VT

**Value:** \$2,500,000 (Multiple Projects)

### Project Description:

Fletcher Allen Health care (FAHC) was formed in 1995 with the merger of Medical Center Hospital of Vermont, Fanny Allen Hospital, and University Health Center. With over 6000 employees, including 600 doctors and 1200 nurses, FAHC is the second largest private sector employer in the state of Vermont. Fletcher Allen Renaissance Project is the largest building construction project in the history of the State of Vermont at over \$350,000,000. The project includes a new outpatient services, operating rooms, laboratories, and a teaching facility.

### Scope of Services:

Budgeting, Standards Development, Construction Management, Turnkey Installation. Calibration and Commissioning, Software Engineering, Hardware Engineering, Controls Maintenance.

### System Description:

For the Renaissance Project, CTI designed, installed and commissioned a Facilities Management System (FMS) using Invensys Intelligent Automation digital controls, and Wonderware Factory Suite, in multiple workstations. The system uses an open, interoperable communications protocol (Lontalk by Echelon) to allow future system additions to be accomplished using digital components from any manufacturer complying with the protocol. CTI also designed and developed a Facilities Standards, which can be used with Lonworks interoperable components to assure a durable competitive environment over the lifetime of the system. The system controls and monitors all major Mechanical and Electrical Systems in the facility, and includes many software integrations to Mechanical and Electrical Subsystems, and equipment. The FMS communications subsystem is closely coordinated with, and maintained by the client's IT department.

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