

Chemistry Building Addition and Renovation

University of Iowa

Cost:

Total Project: \$39,000,000
Construction: \$31,000,000
MEPT Const: \$17,000,000

Owner:

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Team:

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This project consists of the complete renovation of the majority of this laboratory and classroom building as well as the construction of a large addition. The project includes demolition of the existing center wing of the building to facilitate construction of new teaching and research laboratories, classrooms and administrative support spaces. In addition to accommodating the extensive renovations, mechanical, electrical and telecommunications work includes new infrastructure systems for the entire building in support of both current and future renovations.



The scope of mechanical work includes installation of the following in support of the addition and renovated areas: new fire suppression system, HVAC systems including fume hood exhaust with heat recovery, laboratory piping systems including deionized water, compressed air, vacuum, gas and liquid nitrogen, domestic and industrial hot and cold water systems. In addition, the following infrastructure systems were upgraded for the entire building: chilled water system, heating water system, steam system and domestic water system. Finally, the project also includes new fire suppression for the remainder of the building.

The electrical scope of work includes the installation of all new lighting, normal and emergency power and fire alarm systems in support of addition and renovated areas. In addition, the project includes a new 15kV primary and 480V secondary electrical service entrance and distribution for the entire building. Finally, the project also includes a new addressable fire alarm system for remainder of the building.

Telecommunications and audio/visual systems for the project were also provided in accordance with University standards. The project includes a new cabling plant for the entire building.



DESIGN ENGINEERS, P.C.

MECHANICAL/ELECTRICAL CONSULTANTS