

A CENTURY OF CONSTRUCTION EXCELLENCE



The Green Center for PDSI

(Physics, Department of Material Science and Engineering Headquarters, Spectroscopy Laboratory and Infrastructure Upgrades)

Massachusetts Institute of Technology
Cambridge, Massachusetts

ESTABLISHED 1905

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RICHARD WHITE SONS
CONSTRUCTION MANAGERS
GENERAL CONTRACTORS



"Building the Green in this cramped area must have been like building a ship in a bottle."

Robert Campbell, *The Boston Globe* Architecture Critic



MIT Master Plan Utility Distribution Diagram



Construction of the Green center was a logistically challenging endeavor with a new six-story, 50,000 square foot building constructed inside a courtyard bound by four existing buildings. The project included 75,000 square feet of renovated space, infrastructure improvements to 250,000 square feet and life safety improvements to 300,000 square feet.

Major goals of this undertaking were to join separated parts of the Physics Department together to foster collaboration with open spaces and to provide capacity for possible future expansion.

The new six story, "infill" building includes faculty offices, conference rooms and laboratories and has bridge connections within a four-story atrium to allow access to the surrounding buildings. In addition, mechanical and electrical systems are housed in the building.

Work was phased to minimize the impact of construction operations to neighboring departments. Special attention was paid to ensure that the surrounding building occupants were kept apprised of the schedule.

Multi-faceted site logistics issues involved; material hoisting over occupied facilities, working in occupied spaces, heavy student traffic, maintaining buildings open to classroom and laboratory use during construction, all the while mitigating noise and dust to avoid interrupting faculty and student use of the buildings.

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ESTABLISHED 1872

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