

LUC Cuneo Hall

Project Highlights and Results

- LEED Gold designation.
- Building utilized 78% less energy than a baseline ASHRAE 90.1 building after first 8 months of full, normalized data.
- Building designed to engage occupants in the operation of the building systems
- Results illustrate how carefully integrated designs that maximize passive systems first while maintaining simplicity of active systems can achieve extraordinary results.

Project Background

Owner:	Loyola University Chicago (LUC)
Location:	Chicago, IL (Lake Shore Campus)
Team/Team Lead:	Don McLauchlan, Claudine Harig
Elara Role:	MEPPFIT Engineering Design
Type:	New Construction
Construction Cost:	\$24,300,000

Project Overview

Building Type:	Higher Education
Building Attributes:	5 Stories, 72,000 SF
Initial Construction:	2012
MEPPFIT Systems:	Natural Ventilation, Condensing Boiler Plant, Campus CHW, Radiant Heating/Cooling Ceilings, Chilled Beam, DCV, Daylighting, DDC

Innovation

- Highly innovative design embodies the character and basic concepts of an adjacent early 1900's building and blends them with new technologies to promote a state-of-the-art, educational environment that is partially controlled by building occupants.
 - The use of embedded capillary tubing to form radiant ceiling panels for sensible heating and cooling was innovative in its application to the United States and the City of Chicago.
 - The spatial constraints of the building necessitated the use of BIM software for maximum coordination.

FIRST PLACE

ASHRAE Excellence in Engineering Award
Chapter Level

FIRST PLACE

USGBC Emerald Green Innovation Award

