



LEED Silver Goal

Portland State University Academic and Student Recreation Center

PORTLAND, OREGON

Services

- MEP Engineering
- Fire/Life Safety
- Sustainable Design
- Energy Services
- Lighting

FAST FACTS

Architect

Yost Grube Hall Architecture

Completion

in design

Building Size

122,000 sf

Project Cost

\$81 million

Contact

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Portland State University's existing Center for Advanced Technology will soon be replaced by a spacious new energy efficient facility. The five story building houses a new student recreation center, academic space, office, retail and parking. Interface provided mechanical, electrical and plumbing design as well as energy modeling.

The building features a multitude of energy conserving features. **Conservation measures include:**

- » rainwater harvesting system
- » well water cooling system
- » well water source heat pump system
- » temperature control linked to occupancy sensors
- » carbon dioxide based ventilation
- » flexibility for connection to central plant

Renderings: Yost Grube Hall Architecture



The project team's goals include optimizing the development of the urban center plaza site and creating a PSU focal point for community.



The gymnasium features a flexible system of manually operable windows, relief vents and paddle fans, which allow building operators to take advantage of the natural air currents, minimizing the need to use mechanical equipment.