

Architect:

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Owner:

Old Dominion University

Project Cost:

\$11,453,191

Project Size:

82,715 sf

Cost per Square Foot:

\$138.47/sf

Completion Date:

Summer 2004

Consultants:

n/a



Project Description:

The Engineering and Computational Sciences Building is a facility that is intended to capture all of Old Dominion University's (ODU's) many, and geographically dispersed, advanced computational researchers within a multi-disciplinary, collaborative research environment. The new building is constructed in a strategic location on the campus, and is the computational research focal point for the University. It serves as the "gateway" for Hi-Tech Industry and Federal Government sponsors to view project demonstrations designed to showcase the work of ODU's Research faculty and students.

Green Features:

- Use of former parking lot for the building site resulted in a net reduction of impervious surface on the campus
- Irrigation water requirements reduced by more than 50% through use of drip irrigation, soil moisture sensors, and drought-tolerant native plants
- Rain gardens capture roof runoff to supplement irrigation needs, improve water quality, and encourage groundwater recharge
- More than 75% of construction and demolition waste was sent to local recycling facilities
- Of all the dollars spent on wood-based building materials, 60% purchased wood from FSC-certified (sustainably harvested) forests
- Primary building axis oriented east-west, coupled with external sunshades and internal light shelves, to maximize daylighting opportunities and to minimize unwanted heat gain
- Demonstration ground-source heat pump for auditorium heating and cooling (pilot project to determine feasibility for larger scale systems on campus)
- Construction Indoor Air Quality (IAQ) Management Plan adopted during construction phase, followed by third-party IAQ testing at completion of construction
- Low emitting adhesives, sealants, paints, carpet, and composite wood materials used throughout building
- Operable windows available to occupants

