

ARCHITECTURAL ENERGY
CORPORATION
Integrated Engineered Solutions

Center for Technology and Learning Media Colorado School of Mines

Golden, Colorado



Corporate Offices:
2540 Frontier Avenue, Suite 201
Boulder, Colorado 80301
303 444 4149 Telephone
303 444 4304 Fax

San Francisco Office:
142 Minna Street
San Francisco, California 94105
415 957 1977 Telephone
415 957 1381 Fax

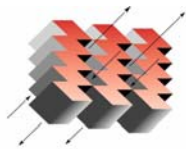
Chicago Office:
955 North Lively Boulevard
Wood Dale, Illinois 60191
630 860 1439 Telephone
630 860 1442 Fax

Southeast Regional Office:
2354 Wimbledon Circle
Franklin, Tennessee 37069
615 599 5368 Telephone
303 444 4304 Fax

The Center for Technology and Learning Media on the Colorado School of Mines campus in Golden, Colorado is a state-of-the-art educational facility promoting individual and collaborative learning through advanced technology. The two-story, 40,000 square foot Center houses instructional, laboratory, and administrative space. The design incorporates numerous energy efficient, sustainable design concepts, including high performance glazings, exterior window shading, aggressive daylighting of classrooms and the main lecture hall, high efficiency electric lighting with daylight dimming controls, high efficiency HVAC system, and low environmental impact materials. A comprehensive building commissioning process was employed to ensure that all building systems achieved their design intent and met the owner's expectations.

Project Information: Center for Technology and Learning Media Colorado School of Mines

Project Type	Educational / Research Facility
Client	Colorado School of Mines Golden, Colorado
Design Team	<p><i>Architect:</i> Anderson Mason Dale Architects PC Denver, Colorado</p> <p><i>Energy and Daylighting Consultant:</i> Architectural Energy Corporation Boulder, Colorado</p> <p><i>Commissioning Agent:</i> Architectural Energy Corporation Boulder, Colorado</p>
Size	39,000 ft ²
Location	Golden, Colorado
Cost	\$8.2 million
Year Constructed / Occupied	2000-2001 / 2001
Sustainable Design Features	<p>Aggressive daylighting of all spaces through suspended translucent metal perforated ceilings, roof-top monitors, splayed ceilings, and dedicated daylight and transom glazings.</p> <p>High efficiency electric lighting system providing supplemental light.</p> <p>Advanced control systems including photosensors, motion sensors, on/off switching, manual dimming, motorized shades, and building automation control links to provide complete control of the electric lighting in response to occupant requirements and daylight availability.</p>



ARCHITECTURAL ENERGY
CORPORATION
Integrated Engineered Solutions