

Career Technology Center

Owner: Logan County Board of Education
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Building Area: 67,963 SF
Construction Cost: \$14,800,000
Project Status: Completed 2017

Project Description: A new Area Technology Center that is designed for energy efficiency, sustainability and energy renewal systems.



Engineering Highlights:

Project includes the following Technology Spaces: CNC and Machine Tool, Automotive Technology, Welding, Industrial Maintenance, Information Technology, Drafting & CAD Technology, Electricity, Health Sciences and Business Education.

HVAC System is a four-pipe chiller/boiler with full economizing blower coils for each instructional space. Cooling plant is variable speed chiller with variable speed pumping. Heating plant is high-efficient gas boilers.

Electric and Lighting Systems feature LED Lights throughout 100% of the facility with Network Lighting Controls. Electric Power System features renewable energy through Solar PV panels that double as architectural design elements. The Solar PV system produces 1 watt / square foot of renewable energy.

The architectural design of the facility further reduces energy by incorporating skylights and sidewall daylight harvesting.

