

BUILT GREEN / LIVING GREEN

The Center for Automotive Education & Training was designed and built to be an environmentally friendly facility. From its foundation, which aligns the longest wing on an east-west axis to reduce heating and cooling demands, to the resource-saving technology in every room, the Center demonstrates a modern respect for the earth.

GREEN ARCHITECTURAL FEATURES

The Center's stunning atrium features a 48-foot glass wall facing south which allows the sun to naturally heat this vast space during colder months. In the summer, tinted glass and electronically-controlled shades help block the light, keeping the Atrium cooler. The southern side of the building was designed with wall to wall windows in order to take advantage of as much solar energy as possible.

HIGH TECH SYSTEMS

Automated motion detectors control lighting in every room. All fixtures are sensitive to atmospheric lighting and have timers in order to reduce the use of electricity. All the restrooms have low flow fixtures to reduce water use throughout the facility.

Carbon dioxide sensors monitor air quality constantly and automatically bring in outside air. Six highly efficient HVAC units reduce energy use during peak-demand hours. Each independently controlled unit services specific areas of the building. Throughout the facility, variable air volume systems, variable speed drives on supply and return fans, chilled water pumps and hot water pumps, energy efficient motors and automatic temperature reset controls reduce the use of energy.

All of these systems are controlled by a computerized Building Management System which allows each room in the building to be individually monitored and temperature controlled. Optimum Control technology schedules on and off cycles that work with outside air conditions and temperatures to efficiently heat and cool the Center and provide excellent air quality.

LIVING GREEN:

The staff is committed to green principles. We use a paperless office system—thinking twice before printing materials that can be stored electronically. When printing is necessary, all materials are produced on recycled paper. Cleaning supplies used in the building are the latest in green products. All waste products are sorted and recycled where possible.

