

KONE EcoSpace®

Optimizing Energy Efficiency in a LEED® Gold Building



MARKET SEGMENT
Corporate

LOCATION
St. Tammany Parish, La.

TIMELINE
2007-2008

ARCHITECT
Forum Studio
St. Louis, Mo.

BUILDING FOOTPRINT
300,000 Sq. Ft.
4 Stories/Floors
750 Occupants

CERTIFICATIONS
LEED-NC Gold

PROJECT SOLUTION
10 EcoSpace Elevators



fast fact

Elevators and escalators account for 2-10% of a building's entire energy consumption.

Installing environmentally friendly elevators can reduce energy costs by 70% as compared to standard elevators.

optimizing building energy performance

Energy efficiency offers big returns when it comes to greening a building whether the goal is financial savings, environmental protection, occupant comfort, LEED® certification or all of the above. To achieve Energy & Atmosphere credits, LEED® 2.2 for New Construction and Major Renovations requires buildings (100,000 sq. ft. or greater) to undergo a whole building energy simulation and demonstrate an improvement in energy performance from 8% to 48% using ANSI/ASHRAE/IESNA Standard 90.1-2007 as the baseline.

Regulated energy (lighting, HVAC, and water heating) along with process energy (computers, office equipment, kitchen cooking/refrigeration and building transportation) are included in this computer simulation. Since elevators and escalators are considered process energy users, there is an opportunity for these transportation systems to not only contribute measurable energy savings, but help acquire additional LEED credits, too.

