



PROJECT

Four Story
Eco Office Building

OWNER

Southface Energy Institute
Atlanta, GA

ARCHITECT

Lord, Aeck & Sargent, Inc.

MARKET SEGMENT

Environmental
Non-Profit Organization

PROJECT COMPLETION

March 2008

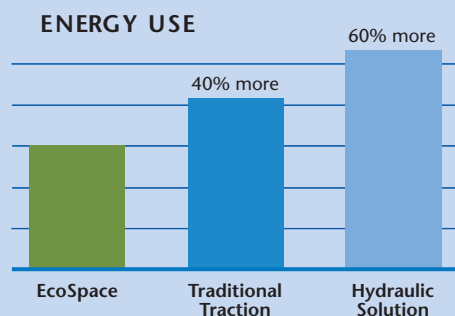
PRODUCT SOLUTION

One EcoSpace Elevator

“It’s great on the environment, it’s more energy efficient and it’s quieter, which is good for the indoor environmental quality of our building. It’s also fast and it meets our needs for great service.”

Dennis Creech, *Executive Director, Southface*

the savings



the challenge

- Install an elevator in a building that is used to showcase sustainable building products
- Provide a solution that has minimal environmental impact
- Reduce life-cycle costs
- Provide a smooth ride for building occupants

the KONE solution

- Install one KONE EcoSpace elevator
- Provide an oil-free system that does not contaminate the area or water
- Deliver significant financial and energy savings with an environmentally sound elevator
- Use gearless technology that delivers a smooth ride

“The EcoSpace elevator fits right in with our mission to demonstrate to the building industry a product that performs well from a usability standpoint but also has numerous benefits in terms of energy savings and reducing environmental impact.”

Frank Burdette, *Project Manager, Southface*



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the client's situation

For 30 years, Southface Energy Institute has helped architects, homebuilders and other professionals in residential construction around the southeastern United States incorporate sustainability into their building practices. As part of promoting sustainability, Southface constructs model buildings that showcase an array of sustainable solutions.

In 2002, Southface expanded its expertise to the commercial building arena. They began construction of a new office that would serve as a demonstration facility of a green commercial building, similar to their model residential home, with energy-efficient, water conserving and waste-reducing features. “Our goal was to show that there are wonderful products and services in the market today to achieve high performance green buildings,” said Dennis Creech, executive director of Southface.

For the new construction, Southface wanted products that were energy-saving, waste-reducing and economical to demonstrate the reality of sustainable design in Georgia's commercial building industry.



the KONE achievement

When KONE heard Southface was expanding its expertise to commercial buildings and constructing a new, sustainable office, they knew their EcoSpace Machine Room-Less elevator would be a perfect fit. Using significantly less energy than a conventional traction elevator or a hydraulic elevator, it delivers considerable cost savings. The risk of oil contamination and fire that threatens hydraulic elevators also is eliminated with the EcoSpace elevator since it does not require oil.

The environmental and economic considerations for the new office led Southface to KONE. “The fact that it uses 70 percent less energy than a typical hydraulic elevator would is a huge bonus,” said Frank Burdette, project manager, Southface.

The EcoSpace also provides end-users with a pleasant ride because of its gearless technology. “It's a very smooth ride.” Burdette said. “Everyone that steps off it has commented on that.”

The EcoSpace elevator will contribute toward Southface's efforts to achieve a high performance green building. “What's important to us, too, is we are going to be a carbon neutral building and the elevator helps us achieve that through its energy efficiency,” Creech said.

In addition to meeting Southface's needs in an elevator, KONE also has helped Southface educate on sustainability by presenting the benefits of the elevator at Southface events. “They have that service that goes above and beyond,” Creech said.

the bottom line

The KONE EcoSpace elevator offered the perfect solution for a building that was constructed as a model to demonstrate increased energy savings and minimal environmental impact. The elevator uses up to 70 percent less energy than a traditional hydraulic elevator and uses an oil free system that does not harm the environment.

