

KONE EcoSpace™

Maximizes usable space for church expansion



PROJECT

St. Charles
Catholic Church,
Boardman, Ohio

TIMELINE

2004 Completion

ARCHITECT

Jim Yoder,
4M Company

BUILDER

Joseph Sylvester Jr.,
Joseph Sylvester
Construction
Company, Inc.

PRODUCT SOLUTION

A KONE
EcoSpace elevator



“The EcoSpace elevator really stood out because we didn’t plan for any additional space within our building for the elevator, and we didn’t have any extra costs involved for building a machine room.”

Paul Hershey, St. Charles Business Manager

the savings

Compared to a hydraulic elevator, KONE EcoSpace:

- Uses **60 percent less energy**
- Provides a **quieter ride** and significantly **reduces vertical and horizontal vibration**.

the challenge

- Maximize utilization of floor space
- Provide a product that is environmentally sensitive
- Keep space available for a vestibule and a decorative staircase

the KONE solution

- Ensure environmentally sensitive installation with KONE EcoSpace elevator
- Maximize available space with a KONE EcoSpace elevator
- Contribute to energy savings with KONE EcoSpace, which uses less energy than a hydraulic elevator

"A big selling point was taking church leaders to a local library that had installed a KONE elevator with EcoDisc traction technology. We took them for a ride in the elevator and they were impressed with the quiet, smooth ride it provided."

Jim Yoder, Architect, 4M Company



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the client's situation

The St. Charles Catholic parish, which serves 3,200 families through more than 100 ministries, wanted to bring together the parish's administrative staff and ministries that were scattered throughout different buildings. The new facility would be a two-story, 12,568-square-foot addition to the existing church. "We needed maximum utilization of floor space," explains St. Charles Business Manager Paul Hershey.

The project specified an attractive vestibule and entrance, along with a decorative staircase. Planners wanted the project to maintain as much parking space as possible. Church leaders also wanted an installation that was environmentally sensitive.

the KONE achievement

Builder Joseph Sylvester Jr. and architect Jim Yoder showed church leaders how a KONE EcoSpace elevator could be used and explained how the EcoSpace works. The KONE EcoDisc® direct-drive technology places all control and logic systems inside the hoistway and eliminates the need for a machine room that takes up space.

"Hydraulic elevators can leak oil, create an odor and require a lot of maintenance. Leaking oil is something to always be careful of, as it could get into the ground water," Sylvester said. "A regular hydraulic elevator with an in-ground shaft would also require bringing in a drilling machine."

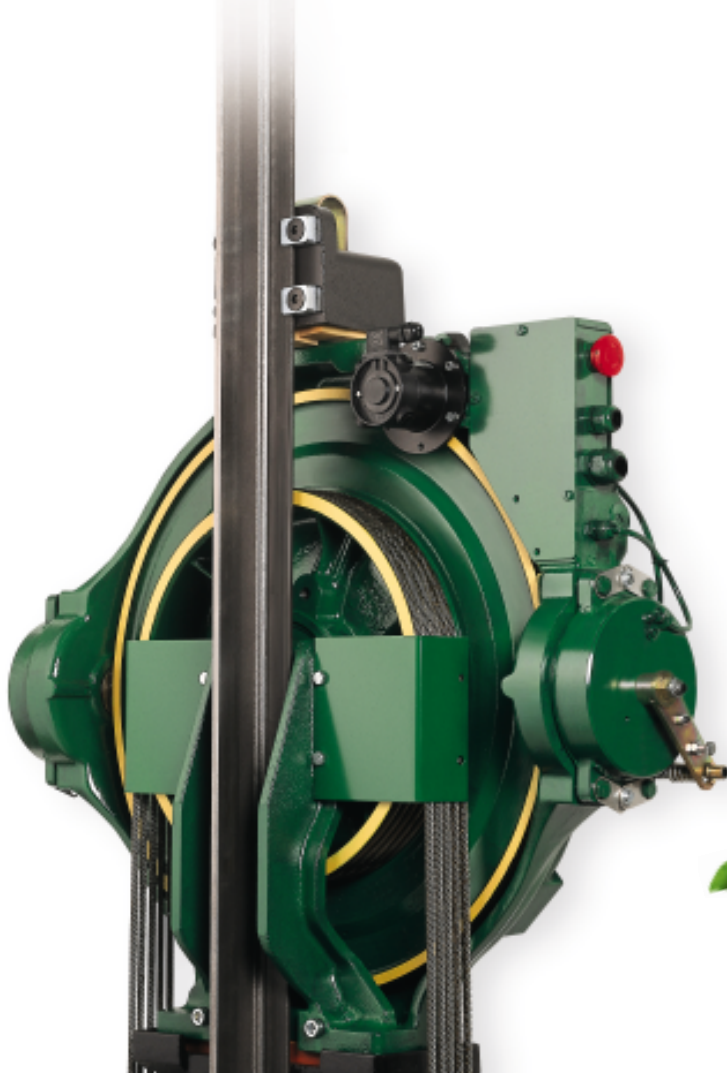
"A big selling point was taking church leaders to a local library that had installed a KONE elevator with EcoDisc traction technology," Yoder said. "We took them for a ride in the elevator and they were impressed with the quiet, smooth ride it provided."


The KONE EcoDisc uses less energy than a hydraulic elevator. Its durable hoisting ropes, which are controlled by a microprocessor-based system, provide 50 to 75 percent less vertical and horizontal vibration compared to traditional technologies.

The KONE EcoSpace also makes less noise than a hydraulic elevator, providing a substantially quieter ride.

the bottom line

The environmentally sound KONE EcoSpace elevator saved St. Charles Catholic Church space, time and money.



 KONE's product solutions provide innovation, performance and sustainability. **Logical Solutions** now and for the future.

ecoLogical
solutions in motion