

# KONE EcoMod™

A full-replacement solution for existing buildings



**PROJECT**

Morgan Post Office  
Manhattan, New York

**OWNER**

U.S. Postal Service

**MARKET SEGMENT**

Distribution Facility

**TIMELINE**

May 2007 – June 2008

**CONSULTANT**

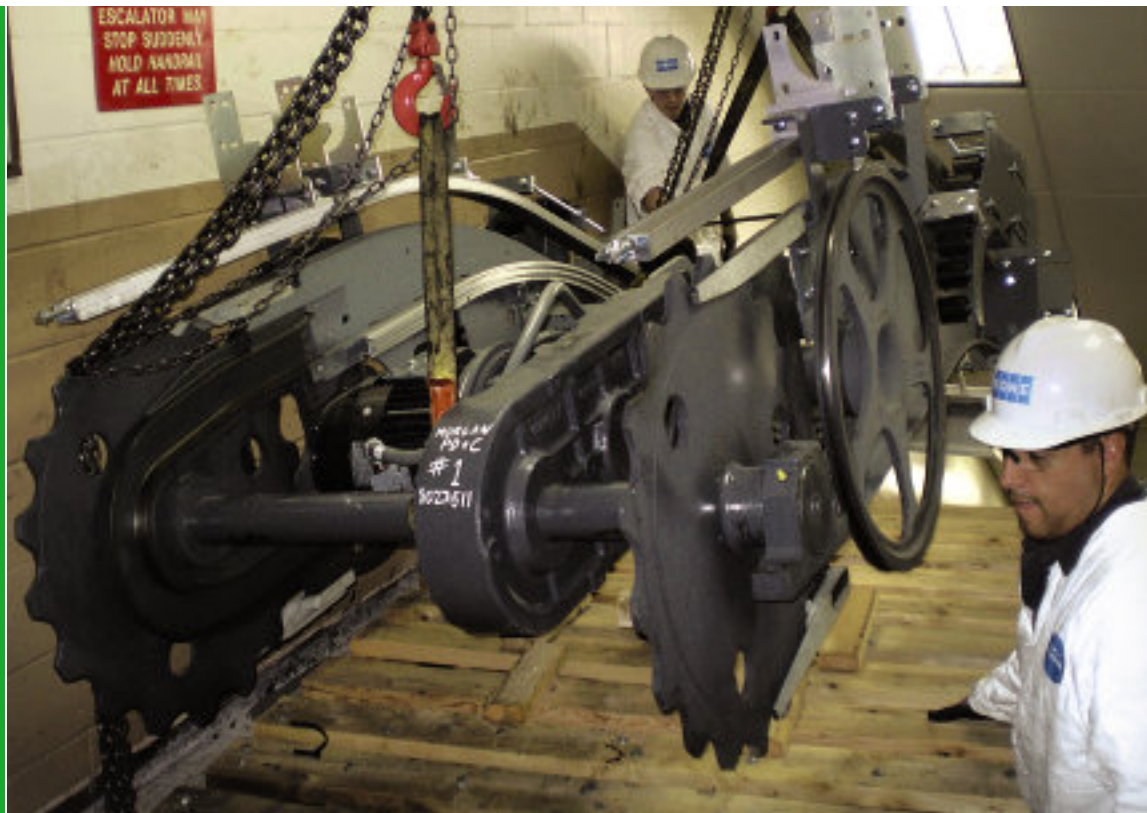
Lerch Bates

**CONTRACTOR**

Parsons

**PRODUCT SOLUTION**

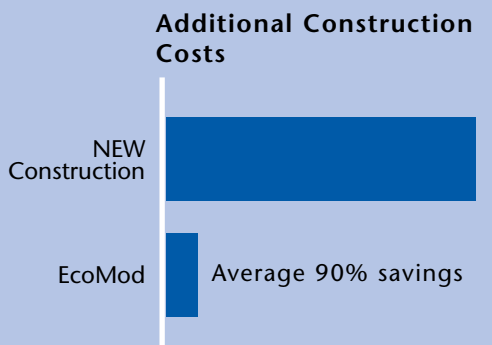
12 EcoMod Escalators



“This is the only product on the market that basically gives the Post Office a complete new escalator, except for the truss. With all other manufacturers, it would have been just a parts repair or replacement.”

Michael Feaser, Contractor, Parsons

## the savings



This information is an estimate. Cost will vary with each project.

## the challenge

- Replace 12 escalators – two on each of six floors
- Provide a product that meets the demands of a 24-7 operation
- Install new escalators without incurring major construction or costs
- Limit interference with postal employees on all three shifts during installation

## the KONE solution

- Install EcoMod escalators to reduce installation time and costs
- Replace existing escalators in the existing envelopes avoiding major construction
- Avoid damage to existing finishes during installation
- Limit downtime and disruption to postal operations
- Supply postal employees with a dependable and smooth ride

"We felt that it was such a good experience for them [Post Office] that we are doing the same thing at another facility. The EcoMods were installed on schedule without any incidences."

Michael Feaser, Contractor, Parsons



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### the client's situation

The Morgan Post Office sorting facility in New York City operates 24-7 with 5,000 employees working three shifts to sort and process the city's mail. When the original 12 escalators in the building needed to be replaced, having complete new units was the preferred choice rather than just replacing parts. However, the major problem with installing new escalator units in an existing facility is how to get them into the building; and in this case, installed in pairs on six floors all in a stack. Installing a traditional new escalator unit in an existing building not only requires major construction to get the unit into the building, but would also require changes to the building structure, including sprinklers, air conditioning ducts and the rerouting of computer lines. This major construction would be costly.

### the KONE achievement

KONE's EcoMod escalator, which is a full-replacement product created for the existing building market, was the perfect solution for this busy New York City Post Office. By retaining the existing trusses with minor modifications, the Morgan facility had 12 new escalators installed without removing any outside walls of the building, nor changing the inside building structure. The escalators were installed one pair at a time with the entire project being completed in 13 months, five months ahead of the original schedule.

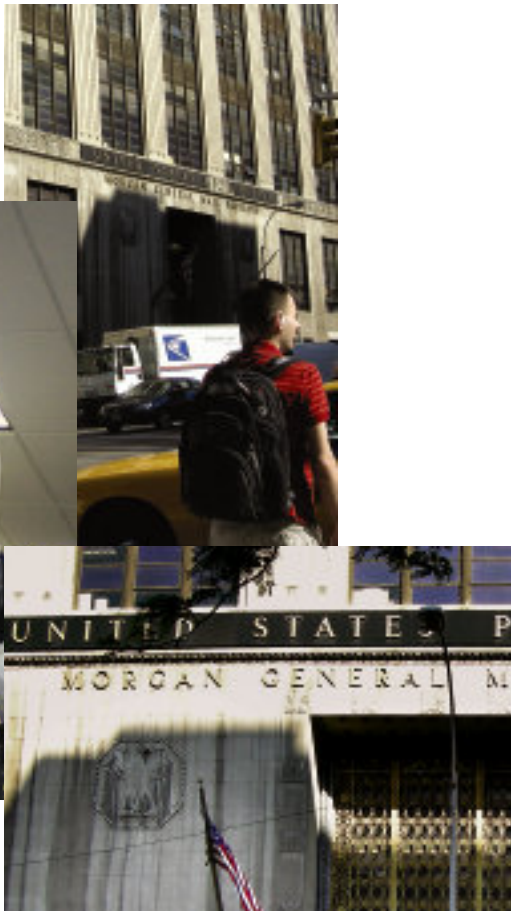
"The EcoMod not only eliminates major construction costs and avoids damage to inside finishes, it offers a streamlined product maintenance schedule," said LeVaur Livingstone, KONE modernization project manager.

The KONE EcoMod escalators utilize several Eco-efficient™ components. The KONE EcoDrive™ uses a chainless design which eliminates drive-chain lubrication and improves operating efficiency. This drive is designed to run for 30,000 hours, twice as long as conventional drive systems, before requiring an oil change. KONE EcoMod has a sophisticated microprocessor-based controller that constantly monitors speed, direction, safety status and other key operating systems.

A KONE EcoMod installation also offers the option of a KONE EcoStart® solid-state starter for each escalator which saves money on energy bills. "Our customers can achieve energy savings of up to 40% on an annual basis with this technology," said Livingstone.

### the bottom line

When replacing an escalator in an existing building, the KONE EcoMod escalator offers a full-replacement solution without the need for major construction costs or damages to building finishes during installation. In addition, KONE offers an eco-efficient solution, a quality product upgrade, and minimal passenger disruption.



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