

NEW ARENA STARS IN DOWNTOWN REVITALIZATION

Milwaukee's new Fiserv Forum redefines the notion of boundaries. An enormous glass curtain wall brings the outside in. A uniquely open design allows fans to keep an eye on the game as they move through the facility. And in a soaring atrium, two imposing banks of glass escalators offer a nearly transcendent experience.

Completed in 2018, the state-of-the-art Fiserv Forum is home to the NBA's Milwaukee Bucks and varied entertainment offerings. The multi-purpose arena is also a major attraction in a downtown revitalization that extends to residential and commercial properties. In a nod to the city's history and heritage, The forum's hull-like exterior, clad in pre-weathered zinc, pays homage to the Milwaukee River and Lake Michigan.

ESCALATORS CREATE FOCAL POINT

Unencumbered by interior support walls, the forum's open design creates a space that somehow manages to be both spacious and intimate. Expansive glass walls showcase views of a sparkling city skyline, and action on the court is easily seen from the concourse.

In a massive atrium serving as the forum's lobby, two enormous banks of glass escalators – including two units rising 43 feet – create a stunning focal point. Travel throughout the forum is safe and smooth, even when the facility is at its maximum capacity of 17,500. Advanced energy-efficient features support LEED Silver® Certified, and ensure added comfort and reliability for passengers.

UNIQUE SOLUTION FOR INSTALLATION CHALLENGE

That open floor plan, however, complicated installation of the forum's escalators. Stacked in a unique way to achieve singular design goals, the escalators had to be manually hoisted into place, as structural elements made use of a crane impossible. Hoisting and rigging presented a significant challenge.

Working in close collaboration with general contractor Mortenson Construction, KONE utilized 16-ton air hoists and air trolleys to position the escalators in the forum's open atrium. KONE crews fabricated a complex system of rigging attachments to ensure a safe, smooth installation.

PERFORMANCE DELIVERS WIN FOR THE CUSTOMER

Involved early in the fast-track project, KONE demonstrated the value of its uniquely customer-centric focus. Smooth operations from day one, for instance, were no accident. "Michael Attwood, our quality expert for escalators, conducted a complete quality review checklist before turnover," says Nick Price, KONE Installation/Modernization Superintendent.



THE CHALLENGE:

- Structural elements made the use of a crane to position stacked escalators impossible
- Bottlenecks, lines and crowding diminish visitor experience in a state-of-the-art arena

KONE SOLUTION:

- 10 KONE TravelMaster™ escalators
- 8 KONE MonoSpace® 700 elevators
- 2 KONE MiniSpace™ freight elevators
- KONE E-Link™ monitoring system

FAST FACTS:

FISERV FORUM, MILWAUKEE

- Completed: 2018
- Capacity: 17,500
- Area: 714,000 square feet
- Building owner: Wisconsin Center District
- Architects: Kansas City architects Populous and HNTB with participation from Eppstein Uhen of Milwaukee
- Contractor: Mortenson Construction

And in a performance slam dunk, KONE handily beat an aggressive schedule. Equipment inspections were completed two months before the forum's established date for substantial completion. "That's almost unheard of," says Timothy Davis, Installation Manager, Major Projects at KONE. "We had a really good partnership, really good communication with Mortenson. We collaborated on scheduling from the beginning so there was no mad rush at the end."

KONE's involvement in Milwaukee's downtown revitalization extends beyond the forum to a new parking structure, practice facility and two related properties, where a total of 12 KONE elevators have been installed. KONE will also maintain equipment at the forum and related facilities for years to come, inclusive of remote monitoring solutions on all equipment.

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ABOUT KONE

At KONE, our mission is to improve the flow of urban life. As a global leader in the elevator and escalator industry, KONE provides elevators, escalators and automatic building doors, as well as solutions for maintenance and modernization to add value to buildings throughout their life cycle. Through more effective People Flow[®], we make people's journeys safe, convenient and reliable, in taller, smarter buildings. In 2018, KONE had annual net sales of EUR 9.1 billion, and at the end of the year over 57,000 employees. KONE class B shares are listed on the Nasdaq Helsinki Ltd. in Finland. For more information, see www.kone.us.