

SkyBuild™

OTIS



Crews relied on the SkyBuild elevator during construction of the Allianz Tower in Milan. Completed in 2015 and 209 meters tall, the building is distinguished by its golden external struts and billowing curved facades. It is equipped with 16 high-speed elevators from Otis, including six with glass panoramic cabs that offer spectacular views of the city – Italy's financial and industrial center.

Complete your building faster with SkyBuild

We know what it takes to put up a high-rise building – we have years of construction experience ourselves. That's why we created SkyBuild™ – a self-climbing elevator that can be used for transporting work crews quickly, comfortably and safely during construction. With the reliable, high-speed SkyBuild elevator, your crews spend less time waiting and more time on the job than with a traditional external hoist.

Our unique design enables climbs to be executed quickly during off hours to avoid disrupting your schedule. Climbs can also be performed every time a new floor is added, giving your people access to the highest possible level during construction. And once construction is complete, SkyBuild converts into a SkyRise elevator for permanent use.

SkyBuild benefits

Give each of your workers 30 to 60 more minutes of productive time every day

Increase your team's safety and comfort

Ready when you are – 99 percent availability



A faster, safer way to the top

1 Overhead protection

Safety first! An angled deck protects crews from overhead hazards.

2 Working platform

Used by Otis crews to install additional elevator rails to allow the SkyBuild to climb as construction progresses.

3 Controller platform

The controller, drive and traveling cable sit on a platform directly above the machine room platform.

4 Machine room platform

The moveable platform supports the SkyMotion® machine and becomes part of the permanent machine room upon the building's completion.

5 Hydraulic platform

During the climbing operation, our unique dual-action hydraulic system raises the machine and controller assemblies, then hoists the hydraulic platform to the next level to be ready for the next climb.

6 Retractable support beams

The SkyBuild system is held in place by support beams that are retracted during the climbing operation.

7 Elevator cab

The fully operational construction elevator serves all floors below the SkyBuild assembly and quickly converts into a permanent SkyRise cab once construction is complete.

Specifications

3.5 meters per second

Maximum speed

1600 kilograms

Maximum standard duty

Higher duties available to suit your specific needs

300 meters

Maximum rise

7 floors

Minimum height to install

1 floor

Minimum height for each jump

7 floors

Top landing distance from climbing form

Between shifts

Time to execute jump



Our state-of-the-art hydraulic system is the heart of the SkyBuild system, quickly and safely moving the entire assembly upward in one-floor increments.

The use of the SkyBuild elevator helped expedite construction of Tour Granite in La Défense business district just outside Paris. Completed in 2008, the tower features the oblique angles that are characteristic of the work of Christian de Portzamparc, the building's award-winning architect. Tour Granite is equipped with 28 elevators from Otis, including one high-speed double-decker.



Technology born of experience and proven around the world

Working with customers a generation ago, Otis pioneered the self-climbing lift technology that led to today's SkyBuild self-climbing elevator. Since then, continual innovation and an extraordinary global support network have made Otis – and SkyBuild – indispensable to the success of some of the most exciting high-rise projects in the world. Teams of dedicated experts, working with nearly 1,500 Otis R&D engineers, are ready to help speed your project to completion by maximizing the productivity of your crews.

“

SkyBuild was the smart solution for us. It shortened our schedule and reduced our costs. The Otis team brought tremendous knowledge to the job.

”

Philippe Rouchette

Project Director, Tour Granite, Paris
VINCI Construction, France



Built on a legacy of innovation, Otis invented the elevator safety brake in 1852, giving rise to the modern city and forever changing how people connect and thrive in a taller, faster, smarter world. Today, we're the world's leading elevator and escalator manufacturing, installation and service company. We can be found in many of the world's most recognizable buildings, as well as the busiest transportation hubs and retail centers – we're everywhere people are on the move. With a global maintenance portfolio of more than 2 million elevators and escalators, approximately 2 billion people are moved by our products every day.

Headquartered in Connecticut, USA, Otis is 68,000 people strong, including 40,000 field professionals, all committed to meeting the diverse needs of our customers and passengers in more than 200 countries and territories worldwide. For more information, visit www.otis.com and follow us on LinkedIn, Instagram, Facebook and Twitter @OtisElevatorCo.

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