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

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.
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.

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**

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**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 movable 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.
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
Otis Elevator Company is the world’s leading manufacturer and maintainer of elevators, escalators and moving walkways.

Founded more than 160 years ago by the inventor of the safety elevator, Otis offers products and services through its companies in more than 200 countries and territories, and maintains approximately 2 million elevators and escalators worldwide. Every day, Otis moves more than 2 billion people through the world’s urban landscapes.

Otis is a unit of United Technologies Corporation (UTC), a leader in the global building systems and aerospace industries. For more information, visit www.otis.com. Follow us on Twitter @OtisElevatorCo.