

Dedicated to People Flow™



CASE: PRINCESS TOWER, DUBAI

Keeping construction on schedule

When completed in 2011, the Princess Tower will be the world's tallest all-residential building, rising 1,358 feet (414 meters) with 107 floors. During construction, exterior hoists are an important part of the vertical transportation solution. However, they can be slow and are prone to breakdowns, presenting a risk for construction delays. In high winds – a common problem in high-rise projects – the cables can also twist, rendering the units inoperable. KONE is helping to reduce those risks at the tower's construction site by providing KONE JumpLifts for use alongside the exterior hoists.

The innovative KONE JumpLift solution is an advanced self-climbing elevator which rises with the building. JumpLifts are safer than external hoists as they are installed inside the building and are therefore shielded from the outside environment. This makes them more reliable and helps to keep the construction project on schedule.

Challenge

KONE is involved in all phases of this complex project, from construction right through to inhabitation. The JumpLifts installed at the site improve productivity by easing the flow of people and equipment during construction. On completion, the Princess Tower will use thirteen KONE elevator units as the exclusive means of moving people smoothly and seamlessly around the building.

- Safe and reliable construction solution
- Quick and comfortable people flow experience on completion

Fast facts

Princess Tower

Expected to open: July 2011
Type: Residential
Construction time: Four years
Height: 1,358 feet (414 meters)

KONE solution:

During construction time:
2 JumpLift units
In ready-made building:
13 KONE elevators



Helping the Princess Tower meet her majestic promise



Taking luxury living to new heights

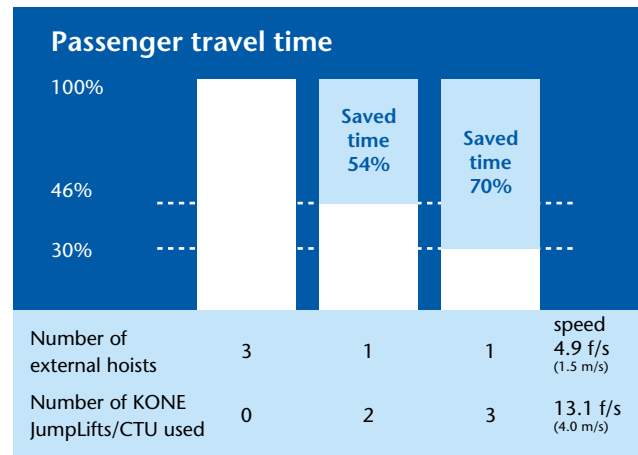
Located in the awe-inspiring Dubai Marina, the luxurious Princess Tower boasts remarkable heights and a strong sense of tradition through its graceful Arabian design. From its magnificent living spaces, residents will enjoy stunning views of the marina and surrounding seascape. For the tower's residents, safe, comfortable and efficient movement will be essential. The People Flow™ solution provided by KONE will be optimized to meet the many and varied needs of the tower's 107 stories.

A quick and comfortable ride

In the Princess Tower, transporting people to their homes safely, quickly, comfortably and without delay is an essential part of the luxury living experience. Thirteen KONE elevators will guarantee safe and smooth vertical transportation at all hours within the building.

KONE's solution includes two KONE MonoSpace® platforms and eleven EcoSystem MR elevators that run at different speeds. These highly-efficient elevators reduce energy consumption and save space, while offering low heat loss. KONE MonoSpace platforms can serve up to 36 stops and transport up to 4,404 lbs (2000 kg) – about 26 people – at speeds of up to 8.2 f/s (2.5 m/s). Of the KONE EcoSystem MR elevators, four will operate at 19.7 f/s (6 m/s), four at 13.1 f/s (4 m/s), one at 8.2 f/s (2.5 m/s), and two at 5.2 f/s (1.6 m/s).

The Princess Tower's selection of KONE MonoSpace and EcoSystem MR elevators guarantees an outstanding People Flow experience, while offering the tower's inhabitants and visitors a quick and comfortable ride.



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