## More than mobility: elevating the experience

# Next-level events and hospitality powered by technology

Innovative building technology, smart mobility solutions, and bespoke interior design work in harmony to create optimal environments for meetings, events, and hospitality. A deep dive into elevator system requirements and technical solutions in a building the scale of the Estrel Tower with a specialist from the Schindler Group.

## Five questions for Maximilian Stoltz, Large-Scale Project Manager, Schindler Deutschland

**Which aspects of the Estrel Tower's elevator system are particularly challenging, and which are particularly ingenious?**

Maximilian Stoltz: The greatest challenge of designing elevator solutions for the Estrel Tower lies in the scale and complexity of the elevators – and, as a result, in the logistics. Materials must be installed in the elevator shafts on schedule and with the utmost precision. The eight high-performance elevators and the fire service elevator are complex to install. Heavy mechanical components must be fitted precisely into the tall shafts, and they also must be integrated into smart building systems. Through our Schindler PORT transit management system, the elevator controls are interconnected with each other to ensure that the fastest elevator is always called, minimizing waiting times for guests and visitors at the Estrel Tower.

From an installation standpoint, these factors add a significant level of intricacy to the planning and construction – but they are also exactly what makes the completed Estrel Tower so impressive. Our Schindler 7000 high-rise elevators, in combination with the Schindler PORT destination control system, provide a high-performance, energy-efficient, and dynamic elevator solution capable of transporting large numbers of people to all levels of the Estrel Tower in a short amount of time.

**How does smart control technology help ensure smooth operations, especially during large events?**

Maximilian Stoltz: The Schindler PORT technology controls the eight high-performance elevators as a single elevator group. Schindler PORT is a self-learning, dynamic destination control system in which an algorithm detects elevator occupancy and can adjust capacity to current passenger numbers and requirements. The system starts with a configuration tailored to the building and continuously optimizes itself over time to provide elevators on demand – for example, during peak hours. When large events are underway, elevators can also be specifically reserved for "VIP rides," giving priority service to certain individuals, groups, or floors.

**What kind of role does mobility comfort play in a high-rise building of this scale?**

Maximilian Stoltz: Elevator comfort is made up of several components. The ride quality itself is only one piece of the puzzle – equally important is how seamlessly the elevator integrates into the overall building concept. The goal should always be to get guests to their destination as quickly and efficiently as possible. That's precisely why comfort begins with the controls. With an intuitive and self-explanatory interface, passengers feel secure and in good hands. The advantage of Schindler PORT technology is that passengers select their destination before they even step into the elevator, minimizing intermediate stops and ensuring a faster, uninterrupted ride. Inside the elevator cabin, comfort is reflected in the high-quality, bespoke fittings, featuring real wood elements and glass-bead-blasted metallic surfaces that blend perfectly into the building's interior design.

The highlight is the elevator ride itself. The elevators travel at speeds of up to six meters per second – about six times faster than those in mid-rise buildings. High-quality, solid components and precise installation ensure that the elevators move smoothly and quietly through the shafts despite their high speed. This makes the elevator ride exceptionally comfortable and pleasant. In other words, passengers will hardly notice whether the cabin is traveling up or down.

**How does elevator technology contribute to the Estrel Tower's sustainability concept?**

Maximilian Stoltz: Many people initially think of sustainability in terms of manufacturing and materials. Naturally, we place great emphasis on these aspects of our products. However, elevator operation is equally crucial from a sustainability perspective. The Schindler elevators in the Estrel Tower are highly efficient. For example, depending on the load, the elevator systems can "recuperate" energy, meaning they recover electricity generated during operation and feed it back into the building's power grid. In addition, the smart control system and Schindler PORT destination selection analyze periods of high and low demand for elevator trips. This allows individual elevators to switch into something like a standby mode during quiet periods to reduce energy consumption. When demand increases again, they automatically return to service and are fully available to users.

**To what extent are the elevators part of the overall architectural, sensory experience of the Estrel Tower?**

Maximilian Stoltz: Elevators are an essential component in buildings of this scale, not only in terms of mobility, but also in terms of design. For this reason, we've been working closely with the architects and developers of the Estrel Tower. To perfectly meet the design requirements, the elevator cabin was faithfully reconstructed into a sample mock-up. This made it possible to fine-tune the final interior design in a real-life cabin. As a result, passengers can look forward not only to a smooth and dynamic elevator ride, but also to a high-quality cabin design that appeals both visually and haptically. In this way, the elevators become part of the overall experience that defines the Estrel Tower.

>>> Video: Soaring to new heights with high-performance elevators

---

**The Swiss Schindler Group is one of the world's leading manufacturers of elevator and escalator systems, particularly in the field of high-performance solutions for high-rise buildings. Here, transport systems become part of the overall experience of the building, and a central element of the customer journey.**