Schindler 7000
The smart way through the building.
The pulse of the city.
Rushing through the streets.

The world’s megacities are confronted with the numerous and highly diverse transportation needs of the inhabitants of these urban areas. The traffic volumes that must be mastered continue to grow correspondingly. Appropriate traffic planning and management are increasingly important criteria in urban development scenarios.
Traffic streaming into buildings. Reaching every corner.

The intense traffic flows in the global megacities also overflow into their mega-skyscrapers. They present major challenges for the vertical and horizontal transportation of people inside high-rise buildings. Schindler has been committed to this challenge for many years. Every day, Schindler 7000 elevators transport millions of people in the world’s tallest buildings – swiftly, comfortably, safely.
Thanks to pioneering work by Schindler more than twenty years ago, the intelligent destination control has established itself as by far the most efficient system for the vertical transportation of people in buildings. The experience gained from almost 6,200 worldwide successfully installed elevator systems with destination control has culminated in the development of The PORT Technology, which now also integrates the horizontal dimension of a building. This is a major step forward in the development of an all-inclusive transit management system.

From destination control to transit management.
Architectural innovations demand technological solutions.

Proactive, 360° planning
For well-founded all-round planning of a multiple-use tall building, the proven practical know-how of Schindler’s specialists is indispensable. Only through the intense collaboration of everyone involved can optimal solutions be found to the complex problems posed by today’s tall buildings. The goal is to integrate all the traffic-related zones of a building into a single transit management system:

(1) traffic from public underground railway systems; (2) main lobby; (3) shopping mall; (4) offices; (5) skylobby/transfer floors; (6) hotel/restaurant; (7) observation deck/roof-top bar.

Schindler’s innovative Transit Management System allows perfect coordination and seamless integration of all the important aspects of transporting people in a modern mega-skyscraper.

Transit Management System
The latest development in the groundbreaking innovations that began twenty years ago with destination control is Schindler’s Transit Management System. This third-generation of intelligent destination-control systems uses new concepts in computer software which are adapted to the greatly increased challenges. It continuously and systematically optimizes the transportation capacity of the elevators. This requires highly sophisticated algorithms that can identify and manage the complex transportation patterns which constantly change throughout the day.

Thanks to Transit Management System – and The PORT Technology at its heart – Schindler can integrally control and guide the entire traffic in a building with a single system. This all-in-one solution now includes the horizontal transport axis as well as the vertical. In addition, all of the building’s safety and access-control processes can also be managed by the system. For the building operator in turn, this means minimized interfaces along with corresponding cost savings.

The Evolution to Transit Management

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(for further details please visit www.theporttechnology.com)
The smart way – building transit. Fast, clever, direct.
Powerful performance. Smooth travel.

Building Access
The PORT Technology can interface to all 3rd party access systems in a multiple-use building.
› only one card for all applications
› maintaining one system/database
› controlled transit to other buildings

Elevator Access
The turnstiles are integrated into the elevator system. This allows you to issue the elevator call and open the turnstile with one action.
› faster and user-friendly elevator assignment
› smooth stream of people through the lobby
› perfect solution in peak times
› control of building population

Interfloor Transit
Interfloor transit requires only one call from origin to destination, even if you have to change the elevator.
› guidance systems help you move smoothly to the destination
› advanced information of next assigned elevator

Elevator Zoning
Efficient and flexible elevator layout to provide the best transit performance to the destination.
› shortest travel to upper floors
› more rentable space
› easy orientation

PORT Terminal
The PORT Terminal allows you to communicate in real-time about the actual transit situation.
› up-to-date building information
› personal adaptation of the user profile
› individual interface

Special Space Requirements
Special requirements e.g. post trolley are recognized by the system and can assign a specific elevator with more space in the car and wider doors.
› intelligent and efficient management of car capacities and space
› direct allocation of the most appropriate car

Express Shuttle
Guided shuttle mode to enhance the capacity of the car and the efficiency of the elevator system.
› less waiting time
› no need to issue a call
› flexible adaptation to the transit demand

Show ID card – issue call. Schindler is the only company that can generate a personalized call from an ID card input. Patented by Schindler
A big step.  
A small footprint.

**ECO mode Energy Control Option**

Thanks to The PORT Technology, Schindler’s Transit Management System can integrally manage the entire passenger traffic in a building and hence transport passengers with the Schindler elevators in the most efficient manner. This assures highly optimized utilization of the elevator groups at all times even under heavy traffic conditions.

At peak times, all of the elevators must be in operation to ensure that passengers reach their destinations as quickly and comfortably as possible. Normally, all of the elevators in a building also remain in operation when traffic is light. This means that the elevators make many trips but transport only small numbers of passengers. This, in turn, reduces the efficiency of the elevator system. In addition, the energy consumption of lightly loaded elevators is higher due to the larger weight difference between the elevator car and the counterweight.

The unique ECO mode Energy Control Option allows intelligent reduction of the elevators’ energy consumption without reducing the service provided to users. If current or forecast waiting times fall below a defined acceptable value, ECO mode switches the unrequired elevators into standby mode. Thanks to the reduced number of elevator trips and improved balancing of the elevators, energy is saved. The amount of energy saved in the course of a day is substantial. Since ECO mode dynamically monitors the traffic situation in the building, a high quality level of service is assured at all times.

Schindler is dedicated to the continuous further development of The PORT Technology for the sustainable and intelligent minimization of energy consumption in buildings – A big step. A small footprint.

Good to know:

ECO mode Energy Control Option cuts energy consumption by up to 40%.
A partnership which takes you to the top.

Our high-rise track record is proof of our experience. You can count on our global network of high-rise experts that offers you an unprecedented level of service.

We provide you with the best, most professional solution to meet all your expectation.

Together with us, you are on the journey of the top.