The PORT Technology
Intelligent destination-dispatch solution to move people. Smarter.

Schindler
For buildings of today and tomorrow, Schindler has once again redefined the pinnacle of destination-dispatch performance with our third generation destination dispatch system, The PORT Technology. The PORT Technology revolutionizes the science of optimizing traffic flow through a building with flexible personalization and access capabilities.

**An intelligent foundation**

The brain behind The PORT Technology is a powerful software system that uses information to guide and transport people quickly and safely to their individual destinations, communicating with them through a simple yet elegant device called the PORT.

Schindler’s PORT Technology not only improves total time to destination by as much as 50%, it also reduces wait times by up to 50% as well. Improvement is realized in all traffic modes, including up peak, two way and down peak.

The PORT system calculates the optimum route to any destination within the building and then assigns the best elevator to handle that call. Using radio frequency identification (RFID) technology with The PORT system to identify travelers, Schindler can now personalize each trip for the user, providing personal service. The system is also able to ‘learn’ how a building’s occupants move, anticipating passenger needs to optimize flow and manage resources more effectively. It’s perfect movement for smarter, greener buildings.
What makes one building stand out from the rest? The value it delivers. With Schindler’s PORT Technology, a building owner or manager can easily design applications to accommodate a wide range of needs in real time. Whether it’s helping to meet new energy efficiency goals, updating security, scheduling maintenance or adapting to people with special needs, unprecedented levels of customization can be achieved.

**Lower energy costs**
Schindler’s PORT Technology can manage all passenger traffic in a building and transport passengers in the most efficient manner possible. This assures highly optimized utilization of the elevator groups at all times, even under heavy traffic conditions.

**Higher occupancy rates**
The PORT Technology delivers a vastly improved rider experience with passenger grouping by desired floor. As a result of allowing passengers to move faster and more effectively through your building, your tenants can enjoy increased productivity. The PORT Technology also gives tenants an individual, unprecedented level of customization and access control options that can ultimately increase your property’s desirability in the market.

**Higher lease rates**
By offering your tenants a higher level of service, including personalized service, your building will have the most advanced destination-dispatch system in the area. Providing a higher level of service allows you the flexibility to demand higher lease rates. With Schindler’s PORT Technology, you can provide tenants their own routes, their own floors, their own destinations. It’s that personalized, flexible service that will help bring you the lease rates you deserve.

**Intelligent options for architects**
Architects now have the potential to remove many of the existing constraints on interior layouts, thereby allowing you greater freedom when designing the next generation of buildings. Buildings of the future, with the help of Schindler and The PORT Technology, will provide the energy efficiency and design advancements essential to successfully attract and retain clients.
Intelligent communication

Introducing the Personal Occupant Requirement Terminal

If The PORT Technology is the brain of your building, the PORT terminal is its sophisticated, yet stunning face. It’s your portal to communicate with building occupants. This extraordinary terminal can provide a range of command and communication functions that provide continuous service to you and your building’s occupants. Reliable as it is elegant, the PORT terminal can be mounted to the wall or installed with a freestanding pedestal. Whatever your architectural specifications, the PORT terminal can be a welcome feature.

Easy as 1, 2, 3

The PORT system is simple and easy to use.
1. Choose your destination via the touchscreen or swipe your RFID card.
2. Read your elevator car assignment.
3. Enter your assigned elevator and enjoy the ride.

Note: ADA features provide audible tones and voice commands when needed.
Intelligent elevator transit

Schindler’s building mobility solutions are built upon more than 20 years of destination-dispatch technology experience. Today, the most efficient method of moving passengers through a building is truly the smartest way to move people.

**Predictive call entry**
Based on previous time and date usage patterns, each passenger can choose from a list of his or her most frequently selected destinations.

**Automatic call entry**
RFID cards can be pre-programmed to allow access to specific floors and destinations and can vary depending on the originating floor. The PORT also can display only the floors to which passengers are allowed access. This patented technology automatically delivers elevator assignments for passengers at the terminal or turnstile.

**Contextual operation**
On floors above the lobby, a PORT display can be programmed to show only the floors that are relevant to the passengers of those floors.

**Touch-less operation**
If an RFID card is held continuously at the PORT, each destination allowed for the passenger will be highlighted in turn. When the desired destination is highlighted, the passenger simply removes the RFID card to register his or her call.

**Personalization**
People have unique mobility needs and The PORT Technology is designed to meet them all. By always knowing the exact requirements of each passenger, a distinctive experience personalized for each rider is attainable. For instance, for those with disabilities, the PORT system can allocate more elevator space or extend the time elevator doors remain open for riders who may need more space or time. For concierge service or for passengers who need an express elevator, The PORT Technology can be programmed to send a dedicated elevator for that elevator trip. Whatever a passenger may require, The PORT Technology has the knowledge to deliver.

**Intelligent access control**
Access control can be a fully integrated component of The PORT Technology. When a passenger scans a preprogrammed RFID card at the PORT terminal, the system can verify that passenger’s credentials through a secure central database and automatically call an elevator to transport that person to an authorized floor. Schindler’s patented technology helps your elevators play a significant role in controlling access within your building while performing at peak efficiency.
Intelligent two-way communications

Building communication
The PORT Technology interface and main computer communicate seamlessly with the building’s security and access control systems so that proper admission credentials and authorizations are in place before allowing access to the elevators, providing greater safety and a higher degree of control.

Emergency evacuation
The PORT terminal immediately provides visual evacuation instructions for anyone approaching any elevator bank/elevator lobby in your building when the system goes into fire emergency service mode.
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 elevators in a building also remain in operation when traffic is light. This means that the elevators make many trips but transport only a small number of passengers. This, in turn, reduces the efficiency of the elevator system. In addition, the energy consumption of a lightly loaded elevator is higher due to the larger weight difference between the elevator cab and counterweight.

The unique ECO (Energy Control Option) mode allows intelligent reduction of the elevators’ energy consumption without reducing the service provided to users. If current or forecasted 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 can be 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 committed to advancing The PORT Technology to minimize customers’ total building energy consumption while making sure the energy that is used provides the optimum environment for their tenants.

The PORT terminal
Schindler designed the PORT terminal to be extremely energy efficient. Each terminal has a motion sensor to detect when it is required to be active and at all other times, is placed into a low energy consumption state. When the screen illuminates, an ambient light sensor determines the brightness level required, again optimizing energy usage. Finally, the processor, the heart of each PORT, has the lowest energy consumption in its class.
The PORT’s simple and yet elegant design will set your elevator lobby apart from any other. There are various mounting options arrangements available to compliment your unique vision with function and style.
Keeping the environment in mind
Schindler is committed to helping you reduce the environmental footprint of your buildings and qualify for LEED® certification by incorporating sustainable green features into our elevator and escalator systems. Improving the environmental impact of our products and processes, particularly our consumption of energy and materials, is fundamental to our corporate responsibility as an industry leader. The PORT Technology is a prime example of our continuing commitment to improve mobility while preserving resources.

LEED is a registered trademark of the U.S. Green Building Council.