



## Ever greener

# Energy efficient mobility solutions

At Schindler, we work closely with our customers to modernize their elevator equipment with the most cost efficient and environmentally friendly solutions. From start to finish, Schindler focuses on helping our customers achieve their elevator modernization goals. This often includes more than just providing a safer, better performing system. In today's "green" environment, many building owners and managers are looking to be more environmentally friendly by reducing their carbon footprint.

As a global enterprise, Schindler undertakes a substantial research and development effort

focused on bringing "greener" mobility solutions to the worldwide market. The benefits for building owners are significant.

- Lower electric bills
- Potential for utility rebates
- Reduced carbon footprint
- Potential to earn Energy Star™ and LEED® certification points
- Increased tenant satisfaction
- Enhanced building value.

Many of Schindler's eco-friendly innovations are available as part of a variety of modernization and upgrade projects.



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## Energy efficient mobility solutions

### **PORT Technology**

Schindler's groundbreaking new elevator destination dispatch system actually learns passenger travel habits within a building and anticipates future needs. This third-generation technology has been designed to use a reduced level of energy and the system provides the building with many options to lower its overall energy consumption by a more intelligent use of its entire elevator system.

### **Schindler ID®**

Schindler ID dramatically improves handling capacity over conventional elevator systems by grouping passengers together to common floor destinations. This reduces the number of starts and stops, thereby reducing energy usage.

### **Power Factor 1**

Schindler regenerative drive offerings can markedly reduce the energy costs of a building's elevator system; both AC and DC drives are available with this technology. During light elevator loads on ascent or heavy loads on descent, the Power Factor 1 drive system can regenerate the energy back into the building's electric system. Since the drives generate less heat, additional energy savings are achieved through reductions in machine room cooling requirements.

### **AC and PM gearless machines**

Utilizing AC and PM gearless motor technology, the efficiency of the elevator hoisting machine is increased, allowing for reduced energy consumption.

For further information including location of the Schindler office nearest you, please visit:  
**[www.us.schindler.com](http://www.us.schindler.com)**

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### **Elevator cab interiors**

Schindler can provide cab panels that are constructed from environmentally friendly materials that contain low or no VOC paints, adhesives or sealants and are made from forest certified wood, rapidly renewable resources or recycled materials. Eco-friendly LED car lighting is available, which reduces the carbon footprint of an elevator by reducing electrical consumption and heat emissions. LED lights can replace incandescent, compact fluorescent or halogen bulbs. Car lights can be shut off for added energy savings when elevators are not in use.

### **Soft starts**

Schindler is able to upgrade hydraulic elevator systems with new, state of the art, solid state line starters (soft start). Soft starts provide environmental and safety benefits such as motor overload protection, reduced energy consumption, increased elevator reliability and the elimination of audible noise pollution.

### **Remote Monitoring**

Schindler Remote Monitoring™ keeps an eye on equipment 24 hours a day, every day of the year and continuously monitors numerous operational parameters for malfunctions. Keeping equipment in top operating condition with the aid of remote monitoring helps ensure maximum energy savings.

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



Schindler is a member organization of the U.S. Green Building Council.



Schindler has received renewal to ISO 14001:2004 and ISO 9001:2000 certificates.



Schindler prints with vegetable-based ink on paper containing post-consumer waste fiber.



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