

High Tech Human Touch

a report by

Schindler

Elevators in hospitals not only move people, they can also contribute to creating an atmosphere that is favourable for the healing process.

Hospitals are primarily dedicated to healthcare. Everything in and around them is meant to support the successful restoring of a patient's healthy condition, hence all aspects of hospital infrastructure are meant to support efficient and solution-oriented operations.

In this context, elevator systems make an important – if not critical – contribution to enabling the mobility of patients, staff, medical tools, general goods, suppliers and visitors.

Taking it Seriously Means Broadening the Spectrum

Schindler elevator equipment for the healthcare industry provides a high degree of functionality and usability and robust performance. We have invested decades of research in continuously improving and mastering the technical specificities of elevators to be installed and operated in the hospital environment. Reliability results from high-quality components, proper installation and thorough preventive maintenance.

Do you need efficient elevators? Equipment that can withstand heavy duty and that functions with absolute reliability? Then the Schindler is the right choice.

We design particularly effective elevators for the comfortable transportation of those in need of and those who provide healthcare. Schindler solutions for the mobility requirements in and around hospitals are recognised to be of the highest class.

From Motion to Emotions

It is widely accepted that a favourable environment nurtures 'wellness' and facilitates the healing process, and this principle is being successfully applied in the layout of new hospital complexes, the design of the

hospital facilities, diagnostic facilities or the therapy itself. Elevators also play a role in creating and maintaining such a favourable environment.

The time spent waiting in front of the elevator, the easiness of identifying and entering the elevator, the time spent inside the elevator, the journey's comfort and, last but not least, the design of the elevator itself will have a positive or negative impact on the overall 'wellness' of patients, hospital employees and visitors. We provide solutions that cater for hospital specific needs in terms of the following factors:

Space

Dimensions are not measured just by the elevator's net cargo or its capacity to accommodate bulky hospital beds. Schindler provides elevator equipment that is accessible for everybody, even for patients or visitors with permanent disabilities or temporary impairments. They include sufficiently wide car doors, extended opening times, spacious car dimensions, accurate stopping and levelling on landing floors, appropriate visual signalling and acoustic announcements, as well as tactile buttons on accessible operating panels.

Atmosphere

How a space is coloured and illuminated determines the atmosphere it creates and has a significant impact on the emotions and performance of people within that environment. Therefore, good design is considerably more than a minor issue for us. You can more than meet the demand of your hospital operation with our range of car interiors that come with matching floors and ceilings to ensure your car looks comfortable in every aspect.

Entertainment

Even if a typical elevator ride takes only a fraction of a minute, counted from the time the car doors start to close until the moment they start to open upon arrival, there is always sufficient time to draw the passengers' attention away from their hospital

routine and onto a different, surprising and eventually invigorating journey. Schindler's in-car video and sound systems can display anecdotes, jokes, the weather forecast, the latest news, the hospital restaurant's daily menu or simply some chilling-out music.

Making Tomorrow's Technology Available Today

In hospitals, the number of family members and friends arriving to visit patients during a day can exceed the number of patients moved in elevators by up to three times. With such high incoming traffic, it is important to ensure the flow of traffic is as efficient as possible. This is where our destination control system does the job. When combined with Schindler ID, use of the elevator can be restricted to specific persons at specific times. It is a sophisticated system that allows the elevator always to be available to those who need it most urgently.

Schindler Miconic 10 is the industry's original destination control system, proven in buildings all over the world. Schindler Miconic 10 uses a revolutionary traffic-management system that brings people to their destinations faster than any other elevator control. By grouping people travelling to the same floor, Miconic 10 reduces the number of intermediate stops and thereby improves the elevator system efficiency.

Schindler ID is our unique human interface system that facilitates a new level of passenger communication and thus a new level of elevator utility. When used in conjunction with Schindler Miconic 10, Schindler ID allows previously unattainable services to be provided to patients, employees and visitors as it knows each passenger's exact requirements. Passengers identify themselves with a badge, personal identification number (PIN) code or other electronically readable device such as a key tag that has their details programmed on it. As an example, Schindler ID can respond to a passenger's priority, assign an elevator car that conforms to the specific space needs, hold the doors open for longer and take the passenger to the target destination without any stops in between. Schindler ID can provide multiple levels of security, from simple access control to highly restricted use, all reconfigurable by your facility management at any time.

Research shows that advanced elevator management systems can cut the number of necessary elevator trips needed to move the same amount of people by 50% and improve overall the efficiency of an elevator system by up to 30%, which is even more significant when you think of the savings in terms of lower

energy costs, reduced wear and tear, etc.

Healthcare Requires Elevator Care

Elevators are among the most durable and reliable building assets. Given proper professional preventive maintenance, they usually remain in service for a long time before they need to be replaced. However, repair and thus operating costs of an elevator can increase over time. Wear and tear cannot be ignored. It is a natural process that we can reverse through modernisation.

Is your elevator starting to show its age? Does the system need to be overhauled either partly or completely? Then we have the perfect solution for you: Schindler upgrades your elevators to meet your specific needs. We focus on what is essential with regards to flexibility, speed and noise level. Using original mechanical and electrical components we ensure compatibility with the existing equipment. Schindler Modernisation is a worthwhile investment in the future.

Upgrading your elevator system over time offers many advantages to all concerned, including the owner, manager and passengers. Examples of these are:

- improved safety;
- superior reliability;
- efficient operation;
- higher passenger comfort;
- reduced energy consumption;
- modern cabin design;
- conformance with standards; and
- enhancement of property value.

The modernisation experts at Schindler can help you determine when, how and what to modernise in your elevator equipment. The Schindler modernisation team has the expertise and long-term experience required to make the best decision for you and your hospital. We know your equipment and we know what is appropriate for your particular system, whether it be replacing accessories or individual components, package solutions or installing a completely new system. ■

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