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The new training center is an example of the realization of corporate architecture.



Schindler

Schindler is a global corporation known for its premium human transport systems. It recently moved into a new training center at its headquarters in Ebikon, Switzerland. Fiber optic and copper products from R&M were used for the structured cabling in the building.

Founded in 1874, Schindler Holding AG with headquarters in Hergiswil in the Swiss canton of Nidwalden today employs some 43 000 people in 130 countries and six continents. The company specializes in planning, manufacturing, building, installing, servicing and modernizing transportation systems for people in nearly all types of buildings. The traditional Swiss company transports about 900 million people a day worldwide.

Schindler is among the top ten companies in Switzerland based on size of workforce and in the top twenty based on sales. Elevators and escalators are the two key business segments. Together, they accounted for 62 % of total sales in 2008. Schindler Holding also holds a 64 % stake in Also Holding AG, a provider of logistics services. Schindler is the world's biggest maker of escalators and moving walkways, and the second biggest producer of elevators following the Otis Elevator Company.

TRAINING WORLDWIDE

The global Swiss corporation recently moved into a new building at its headquarters in Ebikon, the Technology Training Center, known as TTC for short. This five-story structure houses the corporate learning and development activities and the program for master trainers, who are trained there and then sent out to teach colleagues around the world. The TTC has a total of 18 elevators. Three are for building operations, seven are for tests (maximum performance, heat, smoke, etc.) and the remaining eight are for training.

The new training center required reliable and flexible high-performance building cabling for LAN (Local Area Network), data center, video surveillance, video conferencing systems and phone equipment. The in-house building management department has an electrical installation sub-department that is usually responsible for installations. Its main task is to make arrangements for the many reassignments. Each year there are 1000 to 1200 reassignments at headquarters in Ebikon, where some 1500 people work. In other words, each employee receives new assignments every 16 months on average. Dynamic organizational development is the reason for this figure. New teams are put together, task forces formed, new products developed.

STRONG PARTNERSHIP

The capacities of the electrical installation sub-department did not suffice for handling the structured building cabling in the TTC. In the course of an evaluation, a decision was made to bring in an external partner to do this job. After checking several suppliers, Schindler opted for the Freenet system from R&M and for two certified R&M partners to handle planning and installation, namely Herzog Kull Group in Rotkreuz (planning) and CKW Conex AG in Lucerne (installation). For Peter von Rohr, Head of Electrical Engineering at Schindler, perfect installation and perfect products are top priorities: "Installation has to be first-class. After all, my team and I are responsible for the network operating flawlessly and trouble-free." Further key arguments in favor of R&M were quality and product performance, the complete range and the excellent service. Schindler also greatly appreciates and likes to use the R&M color coding system for ensuring correct connections.

The distribution spaces on the five floors are flexibly designed in order to accommodate any expansions that may occur. As a result, the network can be used for existing applications as well as for future ones.



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Bird's Nest National Stadium, Beijing: Schindler supplied 175 elevators and escalators for the 2008 Summer Games, including 16 escalators for the Bird's Nest National Stadium.



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Schindler supplied 27 marine elevators for Costa Luminosa, including scenic elevators decorated with rose crystal and sculptured glass.



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Escalator in Caracas: Zona Rental de la Plaza Venezuela (subway station), Caracas, Venezuela



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Elevator lobby showing Schindler's Miconic 10 destination control system: It calculates which elevator will reach which floor fastest, and directs passengers to the car taking the most direct route to their floor. The desired floor is punched in before the passenger enters the elevator.



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Hong Kong's tallest building, the International Commerce Centre (ICC): At 490m, its 118 floors will be served by 81 Schindler elevators and 38 escalators.

R&M NETWORK FOR SCHINDLER TRAINING CENTER/R&M PRODUCTS USED:

- Campus cabling (buildings interconnected among each other) and vertical cabling: fiber optic
- Tertiary cabling (horizontal): Cat. 6 Star Real10 STP (shielded twisted pair, i.e. shielded copper cabling), for 10 Gigabit Ethernet
- 48 port panels
- RMS splitters (one link is split into four phone lines)
- ST connectors (fiber optics)
- 1U racks for fiber optics
- VS modular splitter for telephony

THE RMS45 SPLITTER/CABLE SHARING SOLUTION FROM R&M FOR STANDARD RJ45 SOCKETS:

The product consists of a microsplitter and field-terminable connectors for patch cables. With the RMS45, cable sharing is easier than ever. The structured building cabling

already installed remains unchanged. The splitter is used only in places where multiple link uses are really required. If the need for cable sharing disappears, the RMS45 can be removed and used elsewhere. With the double-pair connector in the RMS45 model, an outlet can be put to double use, e.g. concurrently as a LAN connection for a PC and as a VoIP terminal. With the single-pair connector, up to four services, e.g. phone lines, can be made available at one R45 outlet.



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New York's Hearst Tower, one of the Big Apple's most environmentally advanced buildings, is equipped with Schindler elevators.



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