

SIMPLY A BETTER LIFT SOLUTION

Italian elevator manufacturer chooses Control Techniques for 'Special' Range

Italy's leading lift manufacturer has opted for a Control Techniques solution to its latest range of machine-room-less gearless lifts that offer a simplified, quiet and low-energy alternative to more conventional approach.

Sele s.r.l of Bologna is Italy's premier, fully independent elevator company, being responsible for design and production, installation and maintenance of all of their products. Their products range from hydraulic installations to winch systems, which are especially suitable for buildings with a high pedestrian traffic level.

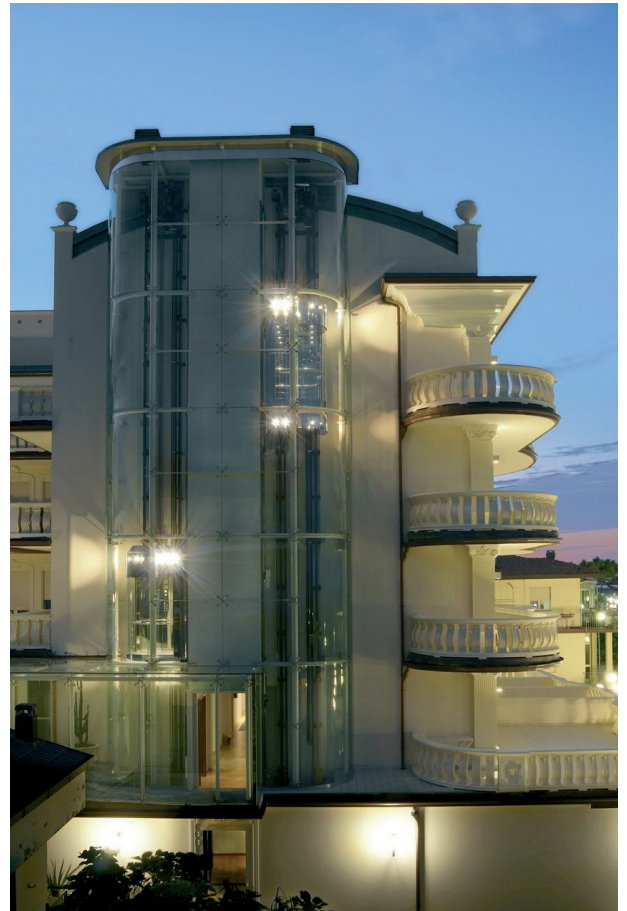
However, for customers seeking a simpler, yet versatile and technologically advanced product that uses significantly less energy, Sele has created the Special range. This has no need of a machine room, which is replaced instead by a control panel that is positioned outside the lift shaft. This not only saves valuable building space, but simplifies maintenance too.

When choosing a drive partner for this advanced range, Sele looked for a high flexibility and versatile drive and a drive company with experience with gearless elevator systems. That's why Sele chose Control Techniques and insisted on Unidrive SP AC drives to provide the control of its Special range.



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KEY BENEFITS

- SIGNIFICANT ENERGY SAVING
- MACHINE ROOM REQUIREMENT ELIMINATED
- SIMPLIFIED MAINTENANCE
- FLEXIBLE & VERSATILE DRIVE
- SUITABLE FOR ALL APPLICATIONS



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The Unidrive SP offers additional safety features too. In this context, the possibility of feeding the power section of Unidrive SP with a low voltage DC supply (48-96VDC) makes it possible to return the car to the nearest floor by battery power alone, in the event of a power outage or other emergency. For absolute safety during maintenance, the drive's secure disable feature ensures that the system is completely disabled.

The Sele solution utilises motor management with encoder feedback control for a typical system speed of 1 m/sec. Positioning of the car at the floor during normal operation is performed in the traditional manner, using shaft sensor signals acquired by the controller, which instructs the Unidrive SP to perform a deceleration ramp followed by a stop. The brake is controlled by a specific function integrated in the Unidrive SP firmware.

The result is a lift that can reach higher speeds than a standard hydraulic installation, whilst maintaining significantly lower energy consumption - a versatile solution that suits any kind of building - residential, private or public. What is more, it is whisper-quiet with virtually no vibration, giving a very high quality of ride.

The ideal solution for existing buildings that have no suitable space for a traditional solution, the single-phase version, driven by a 220 V Unidrive SP and connected directly to a standard domestic electrical outlet is particularly innovative and cost-effective in terms of power consumption, giving energy savings of around 70% compared to hydraulic systems.

For Sele's latest product the solution is Commander SK

The latest product in the SELE range, the SHL300 elevator platform, facilitates the elimination of vertical architectural barriers in residential buildings and private or public structures.

Capable of reaching up to 8 floors with a load capacity of 300 kg, model SHL300 is representative of the latest generation of lift equipment, combining technology, silent operation, practicality and safety.

The Sele SHL300 is driven by a 220 Vac single-phase Commander SK unit, which, in conjunction with an 0.55 kW motor, ensures low noise and travel comfort that are absolutely unique in the category, plus a significant reduction in power consumption.



Sele Ascensori Srl set out from its inception to create an all-Italian product, designed and built entirely in-house, capable of proposing Italian technology and tradition at the highest levels of an extremely competitive market that was already largely dominated by large multinational operators. The result is Sele today: the largest Italian company, operating nationwide, and fully independent throughout all stages of production.

The same spirit of independence, professionalism and quality guides Sele also on foreign markets, on which the company is achieving rapid growth - Control Techniques' international support network of Drive Centres being another important factor in its selection for Sele's gearless electrical products.

Sele supplies a broad range of products and services, collaborating from the very early stages of the project to ensure unrestricted flows of people and goods through the building.



For further information please visit
www.controltechniques.com



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