

The Magazine of the International Building Transportation Industry

ELEVATOR WORLD

June 2009

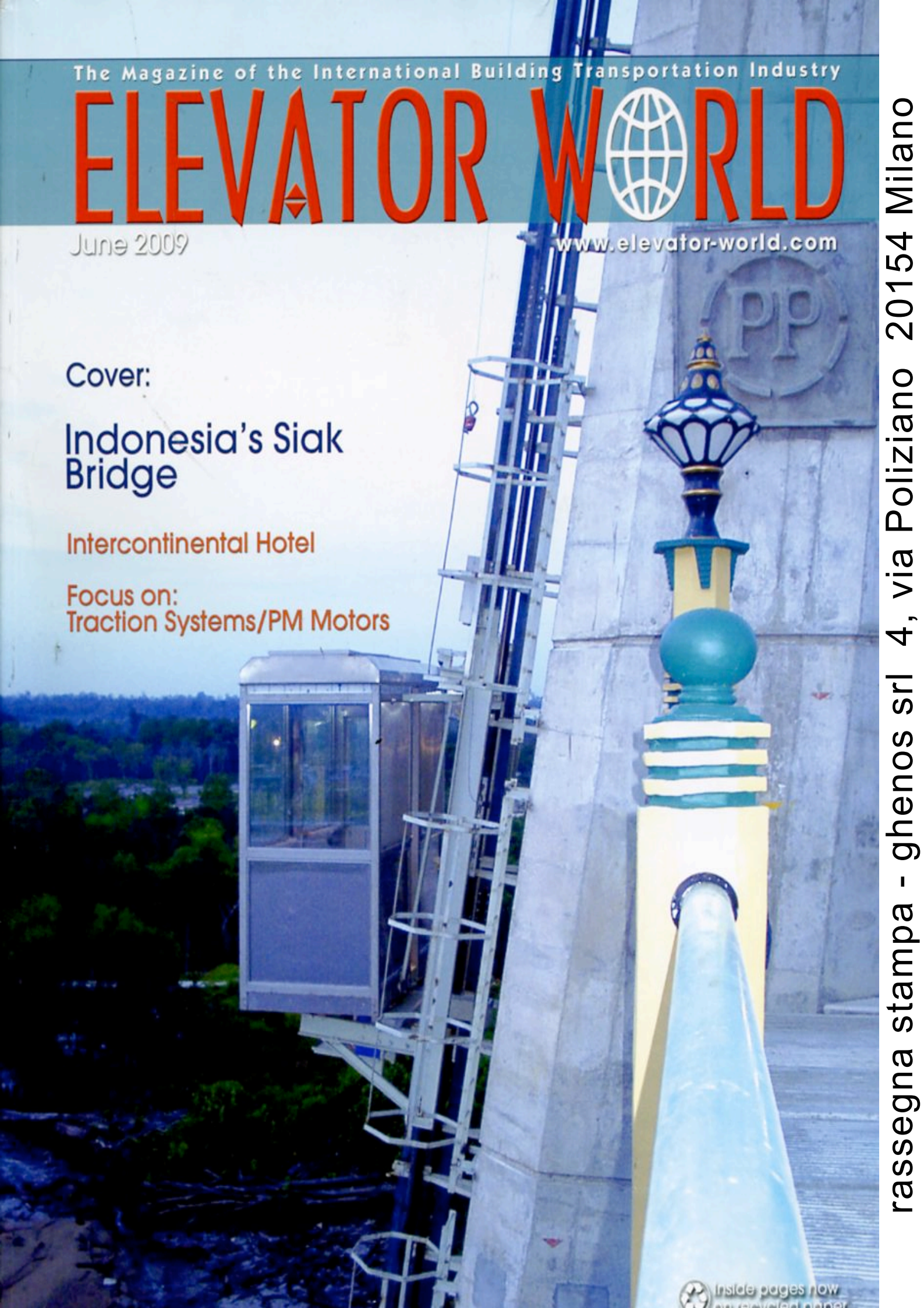
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Cover:

Indonesia's Siak
Bridge

Intercontinental Hotel

Focus on:
Traction Systems/PM Motors



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Have your company's new or improved products showcased in Product Spotlight

Product Spotlight article submissions should be sent to the Elevator World Editorial Department at one of the following addresses:

Postal: P.O. Box 6507
Mobile, AL 36660

E-mail:
editorial@elevator-world.com

THREE-PHASE SWITCH-MODE POWER SUPPLIES

Carlo Gavazzi has introduced its expanded line of three-phase power supplies. The SPD Series 3-Phase Switch-Mode Power Supplies are offered in 120, 240, 480 and 960 W outputs, with an adjustable 24 VDC output voltage. Some models offer the option of a 12 or 48 VDC output. The power supplies provide up to 93% efficiency, and offer a wide Input Voltage Range of 340 VAC to 575 VAC and 480 VAC to 820 VDC. The power supplies also install quickly by snapping them onto DIN rail.



Power factor correction is standard on all models, and parallel connection is standard on most models (not the 120 W). Outputs are protected against short circuits, over-voltage and overload conditions. LEDs provide, and announce, on-board diagnostics and power source "ON," while the power ready output relay signals the presence, or lack of proper 24 VDC output power. The SPD three-phase power supplies may be used with single or bi-phase input power sources, in such instances there is a modest derating of the output power.

Other features include:

- ◆ Output voltage adjustable via potentiometer
- ◆ Two year warranty
- ◆ Power factor correction standard
- ◆ Parallel connection standard 240, 480 and 960 W

- ◆ 960 W offered with current sharing that automatically shifts power between paralleled power supplies to meet demand requirements

The SPD three-phase power supplies are cULus listed, and carry the TÜV, Conformance Européenne and Restriction of Hazardous Substances marks.

For more information, contact Carlo Gavazzi, 750 Hastings Lane, Buffalo Grove, Illinois 60089; phone: (847) 465-6100; Fax: (800) 222-2659; e-mail: sales@carlogavazzi.com; or website: www.GavazziOnline.com.

ENERGY EFFICIENT SOLUTIONS

Since its inception in 1989, Sele s.r.l. has expanded, resulting in the production of all lift components. The Research and Development department enables the group to design innovative products. The company's current focus is in products with low consumption and powered by solar energy.

The Products

Products range from the Idro hydraulic systems to systems with an Elettro cable, particularly suitable for buildings with frequent movement of large numbers of people. Sele has also created its Special systems, which offer the user silent operation, energy saving, absence of vibrations, flexibility in installation and a better organization of space, thanks to the total absence of the machine compartment, which is replaced by a control panel outside the shaft. The SHL 300 lifting platform, with a capacity of 300 to 450 kg, is a new Sele product. With reduced dimensions and easy installation, it connects directly to a single-phase socket and consumes less than a small household appliance.

Continued



The Idro hydraulic system (above) incorporates the Electro cable (below).

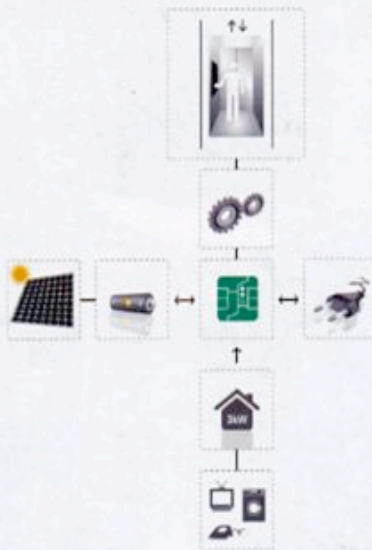


Monofase: Technology and Energy Savings

The electrically operated machine-room-less Monofase lifts can be connected directly to a single-phase 220 V connection with a simple 3 kW meter for blocks of flats for savings on the costs of connection and operation.

The lifts avoid using more power than really necessary with their patented "intelligent" system, which manages the available power from

the sun through photovoltaic panels. In the event of insufficient solar power, functioning is nevertheless guaranteed by the mains power supply.



The Monofase system uses energy efficient technology.

Benefits of the Monofase system include:

- ◆ **Made to measure energy mix.** Varying the contribution provided by the mains or solar panels allows the optimal energy mix for each building.
- ◆ **Safety even if there is a power cut.** Additional accumulators allow the lift to work even in the case of prolonged power cuts.
- ◆ **Optimal organization of space.** Housing the machinery in the head of the shaft eliminates the usual dedicated room.
- ◆ **Total vision.** The morphology of the traction system with a corbel arch and the absence of oil in the shaft makes Monofase a viable option for panoramic solutions.
- ◆ **Structural sustainability.** The housing of the anchoring on only one wall of the shaft means structural constraints of the building are not a problem.
- ◆ **Great compatibility.** Its flexible dimensions offers installation in small shafts in existing buildings or in replacing older lifts.

For more information, contact Sele at phone: (051) 6059801, fax: (051) 6059999, e-mail: info@selesrl.com or website: www.selesrl.com.

MOBILE ROPE LOAD MEASURING TOOL

Henning GmbH has added a rope load sensor LSM-XL for ropes of 16 to 24 mm diameter, with a measuring range of 200 to 2,000 kg per rope, to its rope load measuring system "Weight Watcher." With this performance data, the former product range, consisting of the known rope load sensors LSM1 (6 to 16 mm ropes) and LSM2 (4 to 10 mm ropes), is rounded off to the top by this sensor. The new sensor can, without prior calibration with weights, be used to measure the car not the counterweight. In combination with the evaluation unit MSM12, the rope set adjustment for ropes of more than 16 mm diameter is now possible.



The new rope load sensor LSM-XL



Evaluation unit MSM12