



Clearly structured trade fair booth: gear systems and door (front), gearless and frequency converters (back), system parts (left) and home lift (right)

LiftEquip was present for the 11th time at the largest elevator trade fair interlift 2013 in Augsburg. Once again this year, interesting innovations awaited the visitors: the drum drive for elevators without counterweight; the gearless for "adjacent" with traction sheave in the shaft; the wide range of balanced components conforming with EN 81-1/2:A3; the home lift for retrofitting inside and outside of buildings.

LiftEquip is consistently pointing the way as component supplier and solution provider.

Uniform colour assignment for all drives

Trade fair visitors to Hall 1 found the well-known exhibitors in their usual places. In line with tradition, LiftEquip Elevator Components from Neuhausen near Stuttgart could be found on the right-hand side with a clearly structured booth layout. It was conspicuous and well received that all gear and gearless drives are now painted with an environmentally friendly and rugged water-based paint in a noble black-grey. This has provided the high-quality drive components from LiftEquip with a uniform colour assignment, from the reliable drives all the way to the progressive frequency converters.

The drum drive is back

Even today, drum drive elevators are still in operation in numerous buildings. For these elevators and for older installations with small car floor areas, the drum drive using modern technology is a good modernisation solution. The fact that there is no counterweight enables better use of the shaft cross section and a larger elevator car can be installed. Even hydraulic systems can easily be converted to a frequency-controlled drum drive. LiftEquip offers

a matching rope drum for two ropes for the familiar TW63, TW130 and TW160 gear systems. These can be used to move rated loads of 450 to 1200 kg and, in accordance with EN 81-1, speeds of up to 0.63 m/s can be achieved. This is a clever alternative if other drive system can only be installed with high overhead or, in accordance with EN 81-70, a larger elevator car has to be installed.

The legendary gear systems

From the small TW45 all the way to the mighty W332, LiftEquip offers a very wide range of gear systems, unsurpassed by any other provider. "Above all during modernisation, the optional horizontal or vertical design of smaller gear systems means they can be adapted to almost any spatial circumstances," says sales expert Thomas Bätzner. At LiftEquip, the continuous enhancement of the gear systems means that they are a genuine alternative to modern gearless drives from a technical and economic perspective. Their high efficiency enables energy-efficient operation. The gear systems of the TW model series are optionally available with an emergency brake system conforming with EN 81-1:A3. The large gear systems of the W model series move high rated loads of up to 6 metric tonnes.



The modern gear systems with high efficiency are still very much in demand, above all for modernisation



The gearless range encounters substantial interest: filigree model series PMC145 (front) and strong Compact Gearless (left)

Gearless drives remain first choice

Arranged in a circle were the impressively filigree gearless drives of the PMC145 model series in the construction sizes from "S" (rated load 275 kg / suspension 1:1) to "XL" (1000 kg / 2:1). On request, these and the larger PMC170 are available together with the modernisation solution ModKit MO61. This enables very simple conversion of existing elevators with gear systems to a gearless drive. The options range from suspension 1:1 up to 1000 kg / 1.0 m/s and/or in 2:1 up to 1000 kg / 1.6 m/s. Under the key words "Geared to Gearless", another modernisation solution with DAF210 and/or DAF270 was presented as a new product. The system is suitable for upward or downward rope departure and for the traction sheave in the shaft or in the machine room. In all cases, secure support in relation to the building, protected from vibration, is ensured. The highlight: existing circumstances such as wall openings, rope pulleys, safety gear frame and counterweight do not have to be changed. As could be expected, many expert visitors were very interested. Upwards, the range of products is rounded off by the Compact Gearless SC300/400 using synchronous technology.

Frequency converters from 5 to more than 50 kW

LiftEquip offers a wide range of frequency converters for motor outputs of 5 to 50 kW or more, for asynchronous or synchronous drives. They are characterised by simple parameter input, quick initial operation and safe evacuation and maintenance. The modern

generations of converters in black housings are configured to conform with EN 81-1:A3 and do not require contactors, which makes them very quiet. In addition to many options, they include an integrated brake control, power filter, interface cards, as well as a display. Connection per plug&play makes commissioning very simple. The MFC model series has been extended to include the construction sizes 100R, 155R and 310R with nominal output power of up to 140 kVA. The devices of the MFR model series for synchronous drives have an integrated energy recovery unit and are available in the performance classes from 5.5 to 18.5 kW.

Solutions for all drive types with A3 conformity

Under the key safety concept UCM (Unintended Car Movement), LiftEquip provides solutions in accordance with EN 81-1/2:A3 for all kinds of drives ranging from the hydraulic installation to the geared drive to the gearless elevator. A brochure provides a clearly arranged overview of which certified components can be used for each drive system. This can be seen at www.EN81-A3.com.

The S8A / K8A comfort door for sophisticated applications

On the other side of the trade fair booth, LiftEquip exhibited the S8A landing door for the matching K8A car door. Günter Stoll, Sales Manager for Export North / East: "This door series has been developed for deployment in high-quality elevator systems. The design is very solid and the frequency-controlled door drive is very quiet. The incredibly wide range of version options enables adaptation of the door to virtually any customer requirement. This door series clearly stands out from the broad mass of standard doors." It was only possible to exhibit a few variants on the trade fair booth. The entire performance capability of the comfort door is shown in the new door brochure.

System components and small parts

It was presented on a separate trade fair booth two years ago, but this year a small selection of system compo-



High-quality S8A comfort door with glass door panels and sturdy TW160 gear with emergency braking device

nents was exhibited on a large shelf within the main trade fair booth: safety gears, overspeed governors, buffers, guides and elevator car LED lighting system. Markus Bruckmeyer, Sales Manager for Germany: "These important components and many other small parts concerning every aspect of elevators can also be ordered directly from LiftEquip. Our customers appreciate this, as it rounds off our range of products perfectly."

New: Gulliver home lift

To date, LiftEquip has aligned its offering to components and drive products for traction elevators. Brand new in the



New product: Gulliver home lift in a free-standing shaft, ideal for retrofitting and setup indoors or outdoors. Picture: LiftEquip GmbH Elevator Components

range is the Gulliver home lift: a free-standing elevator with its own shaft and a travel height of up to 15 metres with a maximum of 5 landings. The system is configured in accordance with EN 81-41 and Machines Directive 2006/42/EC. The hydraulic drive enables a rated load of 300 or 400 kg with a speed of 0.15 m/s. Only 10 cm is required as the floor recess; alternatively, an access ramp can be installed. The shaft head height is only 2350 mm. The doors can be arranged on three sides. "Gulliver is suitable for setting up indoors and outdoors," explains

Norbert Blum. "This makes Gulliver an ideal retrofit solution in the private and public sector. This is confirmed by many trade fair visitors. We are very excited about the way the market will develop."

Skills in development, production and system application

What are the special features of LiftEquip and the offered products? Managing Director Andreas Hönnige provides some insight: "The products of LiftEquip have been developed in-

house and are made in Germany. They are configured with the extensive experience of a system provider and optimised in relation to one another. Our customers appreciate the ability of our salespeople to provide useful information alongside their commitment, also where special wishes may be involved. To ensure long-term customer loyalty, we attach high value to skilled consulting, and reliable service, all the way to rapid spare parts supply." On request, interested customers are very welcome to tour one of the largest production locations for elevators in Europe.