

CONTROL 
TECHNIQUES

QUALITY IN GERMAN LIFT MARKET

OSMA-AUFZÜGE | ELEVATORS

DRIVE OBSESSED

DRIVES NOW INCORPORATED IN OVER 80% OF PROJECTS

OSMA-Aufzüge, a leading German lift manufacturer based in Osnabrück, chose to fit Nidec drives in its gearless range of lifts to offer the German market a highly reliable lift with an ultra-smooth ride.

The Challenge

When OSMA launched a new gearless range, the company wanted to provide the flexibility and individuality it is known for with an extremely comfortable, accurate and smooth ride – while keeping costs down.

The Benefit

The Secure Disable feature is helping to further reduce the overall system costs.

The function is failsafe in operation so that when the secure disable input is disconnected, the drive will not operate the motor.

The Unidrive SP is used on both synchronous and asynchronous motors, further keeping costs down.

Overview

- Extremely reliable
- Accurate & smooth ride profile
- Secure disable safety feature
- Excellent technical support

The Solution

Initially, OSMA was interested in the Commander SE AC drive but, as the programming capabilities of the Unidrive SP opened up new possibilities in product design, it became the company's drive of choice and is incorporated in over 80% of projects.

Control Techniques Germany supplied OSMA with Unidrive SP multi-mode AC drives up to 90 kW, complete with special lift software and PC management software that removes complexity during set-up and commissioning.

Each drive is also fitted with a CAN-Bus module for communication with the OSMA control system and, depending on the system requirements, additional modules are added for encoder, sin/cos or resolver feedback.

Working with OSMA, Control Techniques Drive Centre in Hennef developed a unique drive and software package. "For example, we wanted to use small UPS units to bring the cabin to the nearest floor," said Herr Hebbeler, OSMA's Technical Manager, "but these are easily over-loaded and can burn out. We asked Dr König to help and he wrote a special piece of software to limit demand on the UPS. This works very well."

"The 'fit' between the OSMA approach and Control Techniques is excellent, in terms of flexibility, quality and support. We have complete confidence in both the products and in the outstanding support we get from the German Drive Centre and, in particular, the whole technical team of Control Techniques. If CT promises to do something, they never fail to deliver!"

Herr Hebbeler | Technical Manager

