

Drive technology TODAY

When high tech meets monastic walls - The Klosterbrauerei Andechs

Overview

► For centuries, the Klosterbrauerei Andechs has been a place where the art of brewing is a living tradition. Perched high above Lake Ammer on Bavaria's "Holy Mountain," monastic values meet state-of-the-art technology. To meet today's and tomorrow's productivity demands of the beverage industry, the

brewery took a bold step into the future: with the installation of a new returnable glass bottling line, not only was production capacity significantly increased, but energy consumption was also noticeably reduced. ►



Customers

Klosterbrauerei Andechs, Andechs, Germany

Sector: Beverage industry

Application: Returnable glass bottling line / Conveyor modules in wet and dry areas / Palletizer, depalletizer, bottle cleaning and inspection

More information about our customer:

Founded in 1455, the Benedictine monastery employs around 200 people in its commercial operations.

Project description

Tradition meets technology: why a monastery relies on cutting-edge solutions

The core of the new system consists of 70 decentralized drive units of the MOVIGEAR® performance type from SEW-EURODRIVE – a milestone for the brewery and a first for SEW-EURODRIVE in the German brewing industry.

What makes this drive unit unique is its extremely compact design, which integrates a highly efficient synchronous motor, a flat gear unit, and the drive inverter into one unit. This allows the monastery brewery to save space, energy, and cabling effort, while also reducing the number of required drive variants. Thanks to its powerful performance and 300 % overload capacity, the unit can easily transport bottles and crates. Even sticky belts after a standstill pose no challenge.

The Klosterbrauerei Andechs also benefits from the seamless integration of the MOVI-C® modular automation system. The decentralized MOVIMOT® flexible inverters, installed close to the motors, are based

on the same electronic platform, meaning only one engineering software is needed. These inverters power the asynchronous motors with brakes, which are used on inclined conveyor sections.

Why SEW-EURODRIVE? Because technology earns trust.

Efficiency, quality, and future-readiness are top priorities at the Klosterbrauerei Andechs– and that's exactly why they chose SEW-EURODRIVE:

- **Proven solutions:** Positive experiences with MOVIMOT® in earlier projects provided a solid foundation for the decision.
- **Technological leadership:** As the first brewery in Germany to implement the innovative MOVIGEAR® performance, Andechs is making a clear statement about its commitment to the future.
- **Reliable partnership:** From planning to commissioning, SEW-EURODRIVE was always on hand with technical expertise and personal support.
- **Proximity that matters:** Regional presence ensures fast response times and short distances – a real advantage in day-to-day operations.

Customer requirements

- Energy-efficient drive technology
- Compact, decentralized solutions
- Fast commissioning
- Regional proximity for service and support
- Seamless integration into existing processes





Solution

- 70 decentralized MOVIGEAR® performance drive units
- Control via the MOVI-C® automation platform
- Integration into conveyor modules in wet and dry areas
- Energy-efficient bottle cleaning with Lavatec E2 from Krones

In close cooperation with BMS Maschinenfabrik and the SEW-EURODRIVE Drive Technology Center South, the new returnable glass line was equipped with MOVIGEAR® performance. The decentralized drive units power conveyors, palletizers, sorters, and cleaning machines – efficiently, compactly, and reliably.



Customer benefits

- +20% filling performance: from 20,000 to 24,000 bottles per hour
- Reduced energy consumption thanks to high-efficiency drives
- Reliable operation through decentralized technology
- Short conversion time due to new building and smart planning
- Long-term partnership with regional support

