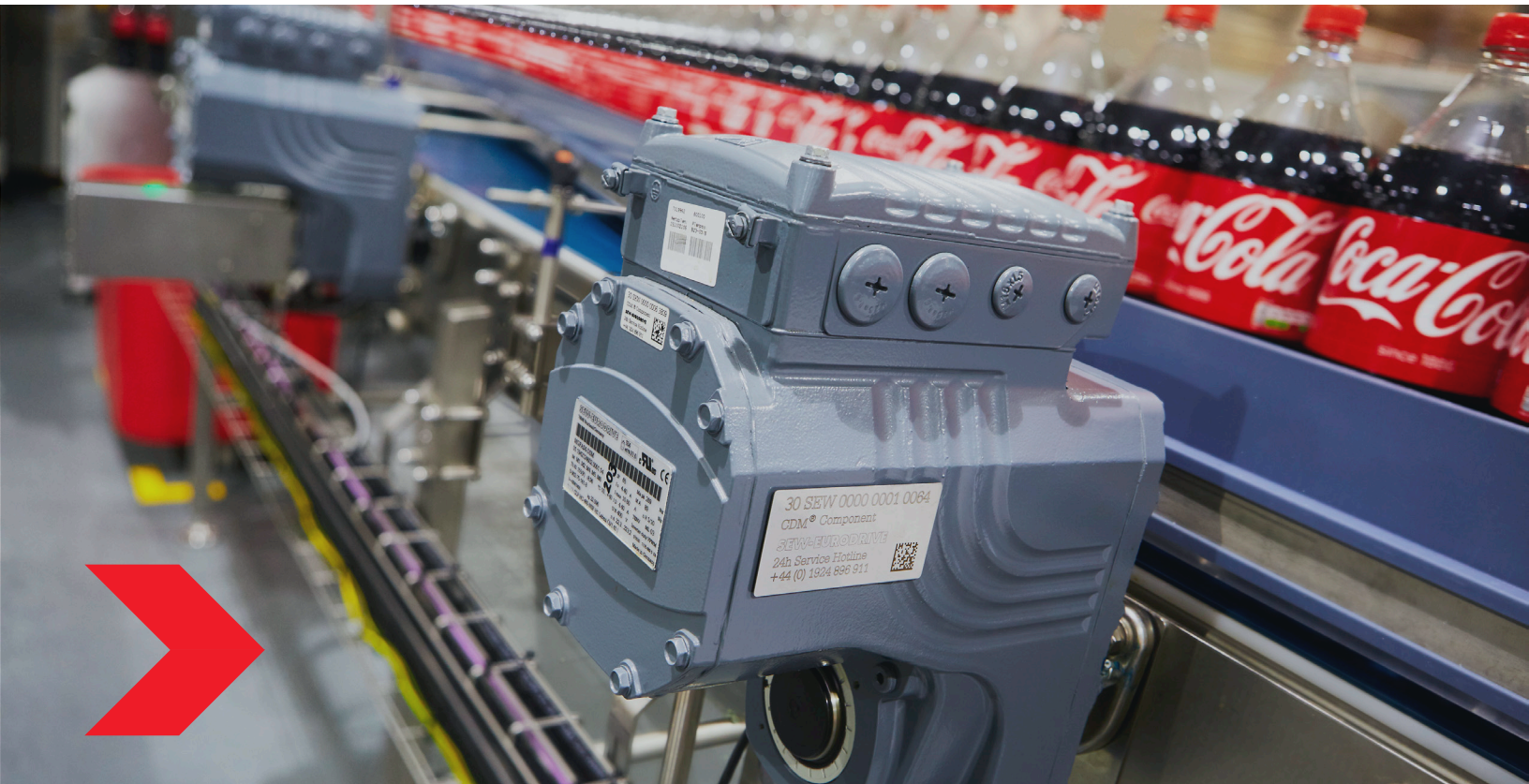


Coca-Cola uses up to 75% less energy with MOVIGEAR®

SEW-EURODRIVE modernizes a PET transport line for Coca-Cola HBC Austria GmbH, achieving energy savings of up to 75%.

Coca-Cola HBC Austria, the licensed bottler for the Coca-Cola Company in Austria, planned to modernize transport line 2a that handles Coca-Cola, Fanta and Sprite. Lowering energy consumption and reducing CO₂ emissions were their top objectives. After modernization, the measured values surpassed all expectations.



SECTOR
Beverage industry

APPLICATION
Transport line for PET bottles and packaging units

SOLUTION
MOVIGEAR mechatronic drive system

COMMUNICATION
SNI technology (single line network installation)

CUSTOMER
Coca-Cola HBC Austria GmbH

Energy



75% Savings

Emissions



-90,400 lbs per year*

Amortization



Less than one year

All through the consistent use of MOVIGEAR® Mechatronic drive system from SEW-EURODRIVE.

*in relation to the CO₂ balance in Austria

PROJECT SPECIFICS

Coca-Cola HBC Austria GmbH sought to reduce energy consumption and costs in the overhaul of transport line 2a, which links the bottling plant for Coca-Cola, Fanta and Sprite to the palletizing system via a shrink packer. The line conveys PET bottles holding 0.3 to 2.5 liters.

SEW-EURODRIVE provided forty MOVIGEAR units for the system. The power supply and communication signal were both transmitted using SNI technology (Single Line Network Installation). SNI allows data and energy transmission over a single 4-core cable, decreasing the number of components required and significantly reducing installation costs.

Combining MOVIGEAR units with a PROFIBUS control system, Coca-Cola was able to achieve a substantial 75% reduction in energy consumption compared to the drives and control system that were previously employed. This savings is equivalent to 90,400 lbs of CO₂ annually*. Through this savings alone, the investment paid for itself in less than one year. Every component of the modernized transport line contributes to this astonishing result. For example, the integrated PROFIBUS minimizes idle times and saves energy when the line is shut down.

The electric company, Wien Energie GmbH, was involved from the initial planning stages of the project. They provided detailed energy consumption.**

* In relation to the CO₂ balance in Austria **Wien Energie confirms these figures.



PROJECT NOTES

- Compact: motor, gear unit and electronics are combined in a single drive unit
- Reduced energy costs due to ultra-high efficiency
- Reduced CO₂ emissions
- Reduced inventory costs due to universal mounting position and fewer variations
- Reduced startup and operating costs of the conveyor system
- Reduced installation costs using SNI (single line network installation) - one cable used for both energy and data transfer
- No electronic line losses: controls located at motor
- Quick amortization - often less than one year
- IP66 design: hygienic surface
- Resistance to common cleaning agents
- Totally enclosed, non-vented (TENV) for quiet operation without air/dirt/germ swirls
- Simplified system planning and design
- High reliability

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Driving the world

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