SONCEBOZ
A family-owned company
since 1936

Our core competencies consist of design, development and production of **mechatronic drive systems** and **electric motors** that operate in **harsh environments**.
We are committed to improving safety, decreasing energy consumption and minimizing the impact on the environment. Our focus on **innovation**, **best in class quality** and **exceptional service** is our key to success for worldwide OEM customers and their suppliers.

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SONCEBOZ

SONCEBOZ
from mind to motion

Motion systems
for challenging **intralogistics** applications

Challenges in **intralogistics**

The industry is in front of a paradigm change called the Internet of things. It introduces modular and flexible control systems on motor and sensor level and extended data communication. To gain in flexibility, traditional fixed conveyor systems with hierarchical control will be replaced by autonomous and cooperative units. This requires more dynamics in intralogistics systems and leads to system architectures in form of a network rather than a hierarchical system.

Ecological aspects have also grown in importance in intralogistics. Energy efficiency is at the heart of the EU's 2020 strategy for smart and sustainable growth and of the transition to a resource efficient economy. Intelligent control of actuators and drives will then contribute to the reduction of energy consumption.

Trends

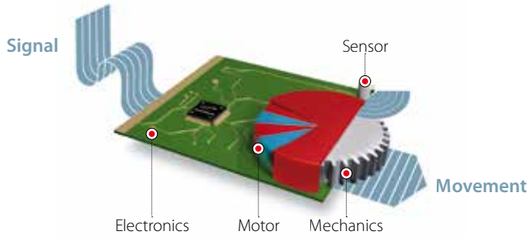
- Internet of things
- Green logistics
- Motion on demand

Requirements

- Distributed intelligence
- Adaptive systems
- Low energy consumption

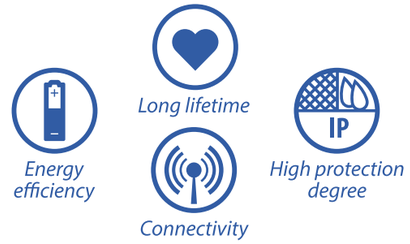
Why **Sonceboz?**

Custom mechatronic drives



- Comprehensive brushless technology portfolio
- All-in-one partner for design and production
- Custom solutions for large project quantities
- Flexible engineering team

Expertise in challenging environments



- Proven quality in automotive and industrial applications
- High protection degree IP65/67
- Wide temperature range from -40 to +85°C
- Compact, lightweight design

Intelligent **mechatronic solutions**

High torque direct drives

LoadSense motors up to 8Nm

- Brushless direct drive from 0.5 up to 8 Nm torque
- Integrated controller and I/O control
- Wide range of possible communication interfaces like CANopen, Ethernet, wireless

Integrated driver & control

Gearless direct drives

Power only when demanded

Battery operated

Compact power BLDC up to 20 kW

- Integrated controller with CAN communication
- Compact high power density: 2 kW / kg
- BLDC motor efficiency: 96 %
- Battery operation 24V-48V

Typical applications

Sonceboz mechatronic drives reduce system complexity while increasing reliability and flexibility in:

Automated Guided Vehicles (AGV)

Roller drives

Shuttles

Your **benefits**

- *High service life in indoor and outdoor applications*
- *No additional driver and control system required*
- *Suitable for intermittent movements*
- *Reduced energy consumption due to intelligent motion control*
- *Integration of specific intralogistics software functions*