MOVI-C® – modular automation system
- Power and Energy Solutions
- Decentralized inverters
- MOVIMOT® flexible (MMF)
- MOVIGEAR® classic
- MOVIGEAR® performance
- MOVIGOTM advanced
- MOVIMOT® performance
- FIELD CONTROLLER

MOVITRANS® contactless energy transfer system
- Decentralized supply unit TES

Gear units / gearmotors and accessories
- Planetary servo gear units PxG®
- Servo gearmotors
- SEW GearOil premium gear unit oil

Motors
- Synchronous servomotors CM3C.. series (medium inertia)

Decentralized drives / mechatronics
- Compact extra-low voltage drive

Industrial gear units
- Generation X.e

DriveRadar®
- Maintenance redefined
- For stationary and mobile applications (for example in automotive plants)

Mobile systems
- MAXOLUTION® factory automation

Online Support
- Your access to the digital services of SEW-EURODRIVE
Using energy sensibly
- Increasing the energy efficiency and using appropriate measures to reduce the energy consumption in automation
- without affecting the high degree of availability of processes, production, and machine cells

**Power supply module with controlled DC link voltage**
- Nominal line voltage: 3 x AC 200 – 500 V
- Controlled DC link voltage: DC 0 – 800 V
- Nominal power: 25 kW
- Overload capacity: 160%
- Parallel connection possible

**Switched-mode power supply module with AC and DC supply**
- Input voltage: 1 x AC 200 V – 3 x AC 500 V or DC 150 V – 800 V
- Nominal output voltage: DC 24 V
- Nominal output current: 22.5 A
- Parallel connection possible

**Capacitor module**
- Voltage range: DC 0 – 800 V
- Typical energy content: 2 kW
- Connection via DC bus
- Parallel connection possible

**External capacitors**
- Voltage range: DC 0 – 800 V
- Energy content up to: 3000 kW
- Connection via DC cable
- Options for both parallel and series connection
MOVI-C® – modular automation system

Decentralized inverter

One decentralized inverter for four product families

- Available in 2 sizes (additional sizes are planned)
- 2.0 A to 5.5 A nominal output current
- High overload capacity (up to 300%)
- Can be operated on various communication systems
- Simplified startup and diagnostics due to MOVIKIT® modules
- Replaceable memory module (integrated) for easy device replacement
- Increased energy efficiency due to integrated standby operation and flux optimization
Field distributor compatible with all standard gearmotors
For installing electronics close to the motor
With a nominal current of 2 to 5.5 A for asynchronous motors with a nominal power of 0.55 to 2.2 kW
With integrated safety technology CSB51A (ST0, SS1c)
Optionally available with load disconnector and keypad

Control variants
- DFC – Direct Fieldbus Control (PROFINET, EtherCAT®, EtherCAT®, Modbus TCP, POWERLINK CIA 402)
- DS1 – Direct System Bus Control (EtherCAT®, SBus®)
- DBC – Direct Binary Communication
- DAC – Direct All-Interface Communication

In preparation
- SNI – Single Line Network Installation
MOVI-C® – modular automation system

MOVIGEAR® classic

- Integrated drive unit consisting of permanent-magnet synchronous motor and gear unit
- Available in three gear unit stages and four power classes
MOVI-C® – modular automation system

MOVIGEAR® performance

- Fully integrated and compact design
- Drive unit consisting of permanent-magnet synchronous motor, gear unit and integrated inverter
- Available in two sizes and three power classes

<table>
<thead>
<tr>
<th>Sizes</th>
<th>MGF.2-C</th>
<th>MGF.4-C</th>
<th>MGF.4-C/XT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque class Nm</td>
<td>200</td>
<td>400</td>
<td>400 with extended continuous torque</td>
</tr>
<tr>
<td>Nominal power kW</td>
<td>Up to 0.8</td>
<td>Up to 1.5</td>
<td>Up to 2.1</td>
</tr>
<tr>
<td>Hollow shaft design</td>
<td>– with key</td>
<td>– with TorqLOC® hollow shaft mounting system</td>
<td></td>
</tr>
<tr>
<td>Hollow shaft diameter mm</td>
<td>20, 25, 30, 35, 40</td>
<td>30, 35, 40</td>
<td></td>
</tr>
<tr>
<td>Output speed range</td>
<td>0.9 – 593</td>
<td>0.9 – 566</td>
<td></td>
</tr>
<tr>
<td>Speed encoder range 1:40 (without encoder)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal mounting position /MU (M1, M2, M3, N4, M5, M6)</td>
<td>Pressure compensation of gear unit /PG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overload capacity</td>
<td>– Up to 300% – Prevents oversizing in static operation – Reduces installed size of necessary supply infrastructure – Integrated overload protection device</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DynaStop® option</td>
<td>DynaStop® electrodynamic retarding function (DSP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional safety</td>
<td>– Integrated STD (Safe Torque Off) safety function according to IEC 61800-5-2 – Safety Integrity Level 3 according to EN 61800-5-2: 2017, EN 61508: 2010. – PL e according to EN ISO 13849-1: 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions W x H x D mm</td>
<td>145 x 370 x 247</td>
<td>180 x 438 x 309</td>
<td>180 x 459 x 309</td>
</tr>
<tr>
<td>Weight kg</td>
<td>16</td>
<td>26</td>
<td>28</td>
</tr>
<tr>
<td>Global motor</td>
<td>Certifications/conformity: IE (Europe) / UkrSEPRO (Ukraine) / SAC (Russia, Belarus, Kazakhstan) In preparation: UL approval (USA and Canada)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connection voltage</td>
<td>380 V – 500 V at 50/60 Hz 380 V – 500 V at 50/60 Hz 400 V – 500 V at 50/60 Hz In preparation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy-saving potential</td>
<td>Motor in accordance with IEC 60034: corresponds to efficiency class IE5 according to IEC TS 60034-30-2 Drive system according to EN 50598-2 (Power Drive System) – With an unrivaled overall system efficiency IE52 according to IEC 61800-9-2 and – An energy efficiency class IE5 according to IEC TS 60034-30-2 – The losses of the PDS of MOVIGEAR® are only half those of the IE52 reference system (even with integrated gear unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Degree of protection</td>
<td>Standard: IP65 according to EN 60529</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-25 °C to +60 °C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MOVI-C® – modular automation system

MOVIMOT® advanced

Drive unit consisting of an asynchronous motor with integrated inverter

- Can be combined with all of the standard gear units from SEW’s modular system
- Motor energy efficiency class IE3 according to IEC TS 60034-30-2
- Innovative Premium Sine Seal oil seal reduces wear in the drive unit and increases life expectancy by a factor of 2
- High-quality and robust plug connectors for simple installation and durability in harsh ambient conditions
- Advanced sensorless open-loop control and optional single-turn encoder
- Optionally available as a brakemotor (incl. manual brake release)
- Optionally available with integrated maintenance switch and feedback contact
- 0.37 to 2.2 kW nominal power (up to 7.5 kW in preparation)
Announcement

Drive unit consisting of a synchronous motor with integrated inverter

- Can be combined with all of the standard gear units from SEW’s modular system
- An overload capacity of up to 300% allows for optimal capacity utilization of the drive and a reduction of the connected load
- Motor energy efficiency class ≥ IE4 according to IEC TS 60034-30-2
- Low-noise operation (no fan)
- Innovative Premium Sine Seal oil seal reduces wear in the drive unit and increases life expectancy by a factor of 2
- Direct wiring via terminals or simple, quick installation with robust plug connectors
- Sensorless speed control or optional positioning using multi-turn absolute encoders
- Optionally with a brake (incl. manual brake release) or with the DynaStop® electrodynamic retarding function
MOVI-C® – modular automation system

FIELD CONTROLLER

Announcement

Decentralized control for motion control that combines all the advantages of MOVI-C® with field installation

- Flexible solution due to a housing with a high degree of protection
- Reduced system complexity due to the modular concept
- Reduced capacity utilization of fieldbus networks
- Easy to replace subordinate drive components using integrated data management
- Combination with previously tested MOVKIT® single and multi-axis modules
- Consistent software platform with the controllers that use SEW control cabinet technology
- Enables condition monitoring
The MOVITRANS® contactless energy supply system from SEW-EURODRIVE works on the principle of inductive energy transfer. In this system, electrical energy is transferred without contact from a fixed conductor to one or more mobile consumers. The electromagnetic connection is made via an air gap and is not subject to wear, making it maintenance-free.

Another great benefit:
The compact housing of the new TES31 decentralized supply eliminates the need for a control cabinet. This type of power supply has the following advantages:
- Variable installation topology
- Optimized system efficiency
- Segmentation of the track

MOVITRANS® contactless energy transfer system
Decentralized supply unit TES

System overview and operating principle of MOVITRANS® with flat THM10E pick-up and TPM12B030 mobile converter:

1. Decentralized supply unit TES31
2. TCS31: fine compensation box with variable capacitor capacitances
3. MF cable as supply cable
4. MF cable as line cable: track with contactless energy transfer
5. TCS10 compensation box
6. THM10E flat pick-up
7. TPM12B030 mobile converter
8. Gearmotor with MOVIMOT® frequency inverter
9. MOVITOOLS® engineering software
Servo gear units
PxG® planetary servo gear units

Simply more added value. Because we understand your needs, we can close the gap between your servomotor and application with the new PxG® planetary servo gear units. After all, they offer crucial added value for every application.

Find the best solution fast
- Wide-ranging modular system for optimum adaptation to your application
- Geometrical compatibility with the market standard
- Custom configuration to precisely suit your requirements in terms of service life, precision and performance

Impress with technological innovation
- Use of exclusive machine elements such as the SEW GearOil Poly E1 series and the Premium Sine Seal sealing system
- 100% inspection of all installed gear units
- A digital twin accompanies the product throughout its entire life cycle

Ensure top quality and high availability
- Rapid delivery times for a widely varying modular system
- High availability and rapid re-procurement
- Consistently high quality standards for series and individual products

Plan your future with a strong global partner
- We provide solutions for the entire world of drive technology
- Innovation partner for the future
- Highly proficient on-site consulting and support worldwide

Planetary servo gear units

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sizes</td>
<td>21, 31, 32, 41, 42, 43*, 51, 52, 53*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gear ratio</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-stage</td>
<td>3 – 10</td>
<td>4 – 5.5</td>
<td></td>
</tr>
<tr>
<td>2-stage</td>
<td>12 – 100</td>
<td>16 – 55</td>
<td></td>
</tr>
<tr>
<td>3-stage</td>
<td>On request</td>
<td>64 – 550</td>
<td></td>
</tr>
<tr>
<td>Acceleration torque</td>
<td>66 – 840 Nm</td>
<td>40 – 480 Nm</td>
<td>80 – 990 Nm</td>
</tr>
<tr>
<td>Rotational clearance</td>
<td>3 – 4 arcmin</td>
<td>1 arcmin</td>
<td></td>
</tr>
<tr>
<td>Service life</td>
<td>20 000 h (DC 60%)</td>
<td>30 000 h (DC 100%)</td>
<td>20 000 h (DC 60%)</td>
</tr>
<tr>
<td>Output variants</td>
<td>Smooth solid shaft</td>
<td>Solid shaft with key</td>
<td>Flange block without index bore</td>
</tr>
<tr>
<td></td>
<td>Splined solid shaft (DIN 5480)</td>
<td>Flange block shaft without index bore</td>
<td>Flange block without index bore</td>
</tr>
<tr>
<td></td>
<td>Flange block shaft with index bore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>SEW GearOil Poly E1, also in H1 (food grade)</td>
<td>SEW Grease HL2 E1, also in H1 (food grade)</td>
<td></td>
</tr>
<tr>
<td>Seal</td>
<td>Premium Sine Seal or labyrinth seal (in the case of grease lubrication)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* P7 only
Gearmotors

Servo gearmotors

- Dynamic
- Precise
- Compact
- Moving heavy loads
- Safe braking in the event of emergency off
- High intrinsic rotor inertia
- High control quality
- No magnetic power losses
- Energy efficient
- High short-time overload capacity
- IP65 degree of protection

<table>
<thead>
<tr>
<th>Standard gear units</th>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Gear ratios</td>
</tr>
<tr>
<td>Helical gear units, RX series</td>
<td>RX..57 – RX..107</td>
</tr>
<tr>
<td>Helical gear units, R series</td>
<td>R..17 – R..127</td>
</tr>
<tr>
<td>Parallel-shaft helical gear units, P series</td>
<td>F..27 – F..107</td>
</tr>
<tr>
<td></td>
<td>K..19 – K..49</td>
</tr>
<tr>
<td>Helical-worm gear units, S series</td>
<td>S..37 – S..67</td>
</tr>
<tr>
<td>SPIROPLAN® right-angle gear units, W series</td>
<td>W..10 – W..30</td>
</tr>
<tr>
<td></td>
<td>W..37 – W..47</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Servo gear units</th>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Gear ratios</td>
</tr>
<tr>
<td>Helical-bevel servo gear units, BS.F. series</td>
<td>BS.F..202 – BS.F..802</td>
</tr>
</tbody>
</table>
Advantages
- Service life of SEW GearOil up to 50% longer than that of conventional lubricants
- High level of resistance to aging reduces wear and increases the service life of lubricant and seals
- Damage load stage 14 improves protection from fretting on the gearing
- The premium lubricant’s low friction coefficients increase gear unit efficiency
- High wear protection for rolling bearings reduces the risk of premature rolling bearing failures
- Shelf life up to 6 years longer than that of conventional lubricants
- SEW GearOil is tested against the stringent quality requirements of SEW-EURODRIVE testing specification no. 07 004 03 13

Lubricant type | SEW GearOil | Can be used for
--- | --- | ---
CLP 150 Mineral | SEW GearOil Base 150 E1 | Helical, parallel-shaft helical, K..7 helical-bevel and helical-worm gear units as well as industrial gear units
CLP 220 Mineral | SEW GearOil Base 220 E1 | Helical, parallel-shaft helical, K..7 helical-bevel gear units and PS.L planetary servo gear units as well as industrial gear units
CLP 320 Mineral | SEW GearOil Base 320 E1 | Industrial gear units
CLP 460 Mineral | SEW GearOil Base 460 E1 | Industrial gear units
CLP 680 Mineral | SEW GearOil Base 680 E1 | Industrial gear units
CLP 680 Mineral | SEW GearOil Base 680 S E1 | Helical-worm gear units
CLP PG 150 Synthetic | SEW GearOil Poly 150 E1 | K..9 helical-bevel gear units
CLP PG 220 Synthetic | SEW GearOil Poly 220 E1 | Helical, parallel-shaft helical, K..7 and K..9 helical-bevel and helical-worm gear units, PS.F planetary servo gear units, BS.F right-angle servo gear units
CLP PG 460 Synthetic | SEW GearOil Poly 460 E1 | K..9 helical-bevel gear units
CLP PG 460 Synthetic | SEW GearOil Poly 460 W E1 | SPIROPLAN® right-angle gear units
CLP PG NSF H1 150 Synthetic | SEW GearOil Poly 150 H1 E1 | K..9 helical-bevel gear units
CLP PG NSF H1 220 Synthetic | SEW GearOil Poly 220 H1 E1 | K..9 helical-bevel gear units
CLP PG NSF H1 460 Synthetic | SEW GearOil Poly 460 H1 E1 | SPIROPLAN® right-angle gear units, K..9 helical-bevel gear units, PS.F planetary servo gear units, BS.F right-angle servo gear units

Accessories and options
SEW GearOil premium gear unit oil

- High performance lubricants
- Reduces friction between gear wheels
- High degree of gear unit efficiency: Increases performance and service life of gear units
- Top performance: Increases the service life of wear parts, such as seals and rolling bearings
- Available as mineral and synthetic lubricants
Synchronous servomotors
CM3C.. series (medium inertia)

available 04/2020

Advantages
- For use even in confined installation spaces due to their extremely compact design
- Condition Monitoring and comprehensive fault diagnostics options with the digital motor interface MOVILINK® DDI
- Saving on time and costs for the installation due to single-cable technology
- Fast, reliable startup with auto-tuning using the electronic nameplate
- Safe braking, even of heavy loads, in the event of emergency off due to spring-loaded brake with increased working capacity
- Can also be used in the food industry due to hygienic design
- Great flexibility and optimal drive selection due to the unique modular automation system from SEW-EURODRIVE

<table>
<thead>
<tr>
<th>Type</th>
<th>Rated speed min⁻¹</th>
<th>Standstill torque M₀ Nm</th>
<th>Dynamic limit torque Mpk Nm</th>
<th>Mass moment of inertia Jₘot 10⁻⁴kgm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM3C63S</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>2.7</td>
<td>8.1</td>
<td>1.3</td>
</tr>
<tr>
<td>CM3C63M</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>4.9</td>
<td>14.7</td>
<td>2.5</td>
</tr>
<tr>
<td>CM3C63L</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>6.4</td>
<td>19.2</td>
<td>3.6</td>
</tr>
<tr>
<td>CM3C71S</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>6.5</td>
<td>19.5</td>
<td>7.4</td>
</tr>
<tr>
<td>CM3C71M</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>9.5</td>
<td>28.5</td>
<td>10.7</td>
</tr>
<tr>
<td>CM3C71L</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>14</td>
<td>42</td>
<td>17.1</td>
</tr>
<tr>
<td>CM3C80S</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>10.5</td>
<td>31.5</td>
<td>17.6</td>
</tr>
<tr>
<td>CM3C80M</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>15.6</td>
<td>46.8</td>
<td>25.2</td>
</tr>
<tr>
<td>CM3C80L</td>
<td>2000 / 3000 / 4500 / 6000</td>
<td>22.8</td>
<td>68.4</td>
<td>40.6</td>
</tr>
<tr>
<td>CM3C100S</td>
<td>2000 / 3000 / 4500</td>
<td>19</td>
<td>57</td>
<td>40</td>
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<tr>
<td>CM3C100M</td>
<td>2000 / 3000 / 4500</td>
<td>28.8</td>
<td>80.4</td>
<td>57.3</td>
</tr>
<tr>
<td>CM3C100L</td>
<td>2000 / 3000 / 4500</td>
<td>40</td>
<td>120</td>
<td>92.1</td>
</tr>
</tbody>
</table>
Decentralized drives / mechatronics

Compact extra-low voltage drive

Available as

**Compact right-angle gearmotor**

**KN..DCA.. series**
- Compact due to a combination of helical and planetary stage in one housing
- High overload capacity as the planet gears are made of hardened sintered steel
- Powerful as the right-angle stage is designed to provide optimum conditions for the engaging gears and is connected upstream to a helical planetary stage
- Efficient as there is no self-locking

**Compact planetary gearmotor**

**PN..DCA.. series**
- High overload capacity due to gear unit selection for high peak loads
- Smooth running due to optimized gear geometry
- Flexible as there is no axis offset
- Fits even into small installation spaces

**Compact motor**

**DCA.. series**
- Power range from 180 W to 350 W with DC 48 V voltage supply
- Fully integrated control electronics with analog and digital interfaces
- Parameters can be easily set using an RS485 engineering interface
- Flexible as it can be adjusted to various applications
- All the necessary electrical connections can be made using a hybrid plug connector

---

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Compact right-angle gearmotor</th>
<th>Compact planetary gearmotor</th>
<th>Compact right-angle gearmotor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>KNZ63F DCA63..</td>
<td>PNZ63F DCA63..</td>
<td>KNZ75F DCA63S..</td>
</tr>
<tr>
<td>Reduction ratio (i)</td>
<td>54 84.8</td>
<td>5 15 45</td>
<td>6.7 20.3</td>
</tr>
<tr>
<td>Nominal motor power (W)</td>
<td>180 270 350</td>
<td>180 270 350</td>
<td>180</td>
</tr>
<tr>
<td>Nominal voltage (DC V)</td>
<td>48</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Output speed range (at n₀ = 0 to 4000 min⁻¹)</td>
<td>0 – 74 47</td>
<td>0 – 800 267 89</td>
<td>0 – 597 197</td>
</tr>
<tr>
<td>Solid shaft with key (Ø)</td>
<td>15 x 30</td>
<td>15 x 40</td>
<td>15 x 30</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>1.85 – 2.85</td>
<td>2.15 – 3.75</td>
<td>1.75 – 2.50</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0 – 40 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mounting position</td>
<td>Universal mounting position (M1, M2, M3, M4, M5, M6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holding brake</td>
<td>Optional: Type B3 / 1 Nm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Industrial gear units

Generation X.e

- Based on the successful X series
- Combination of new features and enhanced computation

New features
- Improved bevel pinion housing
- Optimized bearing preload
- Thermally improved oil levels
- Contactless sealing systems
- New fan and fan guard concept
- Optimized gearing topology

Advantages
- Precise dimensioning and calculation of the operating behavior based on customer requirements
- Application-dependent use of the new options result in a perfectly matched drive that reduces your investment costs
- Significant reduction of power losses results in lower total costs of ownership

<table>
<thead>
<tr>
<th>Gear unit design</th>
<th>Stages</th>
<th>Gear ratio i</th>
<th>Nominal torque M_{in}, kNm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helical gear unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X.F.180e – X.F.250e</td>
<td>2 to 4 stages</td>
<td>6.3 – 400</td>
<td>58 – 175</td>
</tr>
<tr>
<td>Bevel-helical gear unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X.K.180e – X.K.250e</td>
<td>2 to 4 stages</td>
<td>6.3 – 400</td>
<td>58 – 175</td>
</tr>
</tbody>
</table>
Maintenance redefined

DriveRadar®

Under the umbrella of DriveRadar®, SEW-EURODRIVE offers intelligent, scalable monitoring services for the smart factory. Our goal is to significantly increase the availability of your products and systems during the entire life cycle.

Your added value: Our condition monitoring and predictive maintenance portfolio supports you at all levels relating to drive components, systems, and your plant.

The service portfolio comprises 5 stages from the device to the edge, and from cloud services with the corresponding provision of results (API, front end, etc.) to the accompanying services.

- Online recording of operating parameters
- Transparency about the status and operating behavior
- Possibilities for process optimization
- Preventing malfunctions and unplanned outages/idling times thanks to early warnings of critical system states or abnormal operations
- Maximum use of the operating life of components and systems
- Improved ability to plan maintenance and repairs
- Ensuring/increasing the availability of components, machinery and systems
For stationary and mobile applications
(for example in automotive plants)

DriveRadar®

Mobile materials handling technology
MAXOLUTION® system solution
Electrified monorail system, EMS

Mobile materials handling technology
MAXOLUTION® system solution
Skillet

Mobile materials handling technology
MAXOLUTION® system solution
Automated guided vehicle system

Stationary materials handling technology
Rotary table, roller conveyor, etc.

Universal
Industrial communication:
EtherNet and WLAN

From data to findings and action – staying profitable
Combining measured values with drive and application expertise creates genuine added value for you.

<table>
<thead>
<tr>
<th>Capturing and visualizing data = condition monitoring</th>
<th>Interpreting data and issuing maintenance recommendations = predictive maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Error clusters</td>
<td>• Error clusters</td>
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<tr>
<td>• Indication of conspicuous vehicles, track sections, or time periods</td>
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<tr>
<td>• Interpreted deviations in measured values for maximum customer benefit</td>
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<tr>
<td>• Process optimization based on increased transparency with evaluation from experts</td>
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<tr>
<td>• Automatically captured inverter values elevate asset management to the next level</td>
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<tr>
<td>• Non-proprietary network monitoring</td>
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</tbody>
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Mobile systems

MAXOLUTION® factory automation

We’re with you all the way to the smart factory

Working with the maximum in flexibility and scalability enables you to rely on SEW-EURODRIVE’s self-propelled mobile systems in combination with outstanding properties in terms of safety for processes, machinery, and personnel.

In addition to mere transportation tasks, these systems improve the process quality and optimally support and relieve the human operator in logistics and production processes. Assembly assistants function, for example, as intelligent and ergonomic workbenches, and handling assistants assist by utilizing a collaborating robot.

At the same time, they “perfectly understand” the other mobile vehicles. They move autonomously, communicate with one another, and share data. Swarm intelligence is what the innovative decentralized control technology is called, with which the multiple mobile assistance systems can operate as an intelligent complete system.

Our portfolio

− Transportation vehicles
− Assistance systems
− Infrastructure for mobile systems
− Automation packages
− Project planning and control software
− Planning and consulting
− Energy-optimized configuration

Advantages

− Reduce complexity and costs
− Implement new concepts easily
− Benefit from flexible networking
− Take advantage of our global service
New from Online Support
Your access to the digital services of SEW-EURODRIVE

The new product label:
Simply scan the QR code on the product and use the digital services

Your added value:
- Direct access to the digital services via the product – directly from your mobile device
- Your quickest way to access product-specific data and documents
- Visual check of the mounting position
- Selection of spare parts and replacement products
- Access to fault analysis and the direct way to order services

Do you have questions about our digital services?
Tel. +49 7251 75-3232
E-mail: online-support@sew-eurodrive.de