



### PRODUCTS AND SOLUTIONS

# **NNOVATIONS** 2019

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# PRODUCTS AND SOLUTIONS INNOVATIONS 2019

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## MOVI-C<sup>®</sup> – modular automation system **Power and Energy Solutions**

#### 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<sup>®</sup> – 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<sup>®</sup> modules
- Replaceable memory module (integrated) for easy device replacement
- Increased energy efficiency due to integrated standby operation and flux optimization



## MOVI-C<sup>®</sup> – modular automation system **MOVIMOT<sup>®</sup> flexible (MMF.)**

- 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 (STO, SS1c)
- Optionally available with load disconnector and keypad

#### **Control variants**

- DFC Direct Fieldbus Control (PROFINET, EtherNet/IP™, Modbus TCP, POWERLINK CiA 402)
- DSI Direct System Bus Control (EtherCAT®, SBus<sup>PLUS</sup>)
- DBC Direct Binary Communication
- DAC Direct AS-Interface Communication

#### In preparation

- SNI - Single Line Network Installation



## MOVI-C<sup>®</sup> – 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



Size	MGF1-DSM-C	MGF2-DSM-C	MGF4-DSM-C	MGF4-DSM-C/XT		
Torque class Nm	100	200	400	400 with extended continuous torque		
Nominal power kW	Up to 0.4	Up to 0.9	Up to 2.1	Up to 3.0		
Hollow shaft design	<ul> <li>with key</li> <li>with TorqLOC<sup>®</sup> hollow</li> </ul>	<ul> <li>with key</li> <li>with TorqLOC<sup>®</sup> hollow shaft mounting system</li> </ul>				
Hollow shaft diameter	20, 25	20, 25, 30, 35, 40	30, 35, 40			
mm	A range of inch shafts is	available, depending on the size	ze of the MOVIGEAR® and the h	nollow shaft design.		
Output speed range (at n <sub>e</sub> = 2000 min <sup>-1</sup> ) min <sup>-1</sup>	35.7 – 555	36.2 - 593	35.4 - 566			
Universal mounting position /MU (M1, M2, M3, M4, M5, M6)	In combination with /PG p	pressure compensation gear u	nit			
Recommended inverter combinations	From the modular MOVI- MOVIDRIVE® system and	C <sup>®</sup> automation system: the nev MOVIDRIVE <sup>®</sup> technology as we	w application inverters MOVIDR ell as the new decentralized inv	IVE® modular, rerter MOVIMOT® flexible.		
	with inverter 0.75 kW output current 2.0 A	with inverter 1.5 kW output current 2.0 A	with inverter 2.2 kW output current 4.0 A	with inverter 4.0 kW output current 5.5 A		
	Also available with MOVITRAC® LTP-B (380 V to 480 V).					
Maximum overload capacity depends on inverter	Up to 300%, depending o	on the inverter configuration				
Dimensions W x H x D mm	113 x 265 x 214	145 x 319 x 247	180 x 378 x 309			
Weight kg	8	14	25	27		
Global motor	Certifications/conformity: CE (Europe) / UL-approve System voltage: 400 V	d (USA and Canada) / UkrSEPI	RO (Ukraine) / EAC (Russia, Bel	arus, Kazakhstan)		
	Corresponds to efficiency class IE5 according to IEC TS 60034-30-2					
Energy-saving potential	Corresponds to enterency	<b>3</b>				
Energy-saving potential Degree of protection	IP65 according to EN 605 Wet area package with IP	529 666 in preparation				

: the new ap gy as well as	the new application inverters MOVIDRIVE® modular, gy as well as the new decentralized inverter MOVIMOT® flexible.				
kW with inverter 2.2 kW with inverter 4.0 kW					
.0 A	output current 4.0 A	output current 5.5 A			

7	180 x 378 x 309	
	25	27

to IEC TS 60034-30-2	

## MOVI-C<sup>®</sup> – 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



Sizes	MGF2-C	N		
Torque class Nm	200 · · · · · · · · · · · · · · · · · ·			
Nominal power kW				
Hollow shaft design	<ul> <li>with key</li> <li>with TorqLOC<sup>®</sup> hollow shaft mounting</li> </ul>			
Hollow shaft diameter mm	20, 25, 30, 35, 40	3		
Output speed range Speed encoder range 1:40 (without encoder) min <sup>-1</sup>	0.9 – 593	0		
Universal mounting position /MU (M1, M2, M3, M4, M5, M6)	Pressure compensation of gear unit	/PG		
Overload capacity	<ul> <li>Up to 300%</li> <li>Prevents oversizing in static opera</li> <li>Reduces installed size of necessa</li> <li>Integrated overload protection dev</li> </ul>	atioi ry s /ice		
Communication/ installation variants	<ul> <li>DFC – Direct Fieldbus Communica</li> <li>DSI – Direct System Bus Installati</li> <li>DBC – Direct Binary Communicati</li> <li>DAC – Direct AS-Interface Communication</li> <li>In preparation:</li> <li>SNI – Single Line Network Installation</li> </ul>	atio on on unic		
DynaStop® option	DynaStop <sup>®</sup> electrodynamic retarding	fur		
Functional safety	<ul> <li>Integrated STO (Safe Torque Off) s</li> <li>Safety Integrity Level 3 according</li> <li>PL e according to EN ISO 13849-</li> </ul>	safe to I 1: 2		
Dimensions W x H x D mm	145 x 370 x 247	1		
Weight kg	16	2		
Global motor	Certifications/conformity: CE (Europe) / UkrSEPRO (Ukraine) / E In preparation: UL approval (USA and	EAC I Ca		
Connection voltage	380 V – 500 V at 50/60 Hz	3		
Energy-saving potential	Motor in accordance with IEC 60034 Drive system according to EN 50598 – With an unrivaled overall system e – An energy efficiency class IE5 acc – The losses of the PDS of MOVIGEA (even with integrated gear unit)	-2 effic ord AR®		
Degree of protection	Standard: IP65 according to EN 605	29		
Ambient temperature	-25 °C to +60 °C			
	-25 °C t0 +60 °C			

//ur4-0	MGF4-C/XT
100	400 with extended continuous torque
Jp to 1.5	Up to 2.1
g system	
30, 35, 40	
.9 – 566	
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n	
supply infrastructure	
supply infrastructure en (PROFINET, EtherNet/IP™, Mo (EtherCAT®, SBus <sup>PLUS</sup> )	dbus TCP, POWERLINK CiA 402)
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supply infrastructure on (PROFINET, EtherNet/IP™, Mo (EtherCAT®, SBus <sup>PLUS</sup> ) cation n nction (/DSP)	dbus TCP, POWERLINK CiA 402)
supply infrastructure on (PROFINET, EtherNet/IP <sup>™</sup> , Mo (EtherCAT <sup>®</sup> , SBus <sup>PLUS</sup> ) cation n nction (/DSP) ety function according to IEC 61 EN 61800-5-2: 2017, EN 6150 2015	dbus TCP, POWERLINK CiA 402) 800-5-2 8: 2010.
supply infrastructure on (PROFINET, EtherNet/IP™, Mo (EtherCAT®, SBus <sup>PLUS</sup> ) cation n nction (/DSP) ety function according to IEC 61 EN 61800-5-2: 2017, EN 6150 2015 80 x 438 x 309	dbus TCP, POWERLINK CiA 402) 800-5-2 8: 2010. 180 x 459 x 309
supply infrastructure an (PROFINET, EtherNet/IP™, Mo (EtherCAT®, SBus <sup>PLUS</sup> ) cation n nction (/DSP) ety function according to IEC 61 EN 61800-5-2: 2017, EN 6150 2015 80 x 438 x 309 26	dbus TCP, POWERLINK CiA 402) 800-5-2 8: 2010. 180 x 459 x 309 28
supply infrastructure n (PROFINET, EtherNet/IP™, Mo (EtherCAT®, SBus <sup>PLUS</sup> ) cation n nction (/DSP) ety function according to IEC 61 EN 61800-5-2: 2017, EN 6150 2015 80 x 438 x 309 26 C (Russia, Belarus, Kazakhstan) anada)	dbus TCP, POWERLINK CiA 402) 800-5-2 8: 2010. 180 x 459 x 309 28
supply infrastructure n (PROFINET, EtherNet/IP™, Mo (EtherCAT®, SBus <sup>PLUS</sup> ) cation n nction (/DSP) ety function according to IEC 61 EN 61800-5-2: 2017, EN 6150 2015 80 x 438 x 309 26 C (Russia, Belarus, Kazakhstan) anada) 80 V – 500 V at 50/60 Hz	dbus TCP, POWERLINK CiA 402) 800-5-2 8: 2010. 180 x 459 x 309 28 28 400 V – 500 V at 50/60 Hz In preparation

## MOVI-C<sup>®</sup> – modular automation system **MOVIMOT**<sup>®</sup> advanced

Announcement

#### 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)



## MOVI-C<sup>®</sup> – modular automation system **MOVIMOT**<sup>®</sup> performance

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  $\geq$  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<sup>®</sup> electrodynamic retarding function



## MOVI-C® – modular automation system **FIELD CONTROLLER**



Announcement

## 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 MOVIKIT<sup>®</sup> single and multi-axis modules
- Consistent software platform with the controllers that use SEW control cabinet technology
- Enables condition monitoring

#### Decentralized control for motion control that combines all the advantages of MOVI-C®

## MOVITRANS<sup>®</sup> contactless energy transfer system **Decentralized supply unit TES**

The MOVITRANS<sup>®</sup> 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.

\*\*\*\*

reconnectamenter



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



6

8



3

9

4

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Power supply

1

2

- **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<sup>®</sup> frequency inverter
- 9 MOVITOOLS<sup>®</sup> engineering software

## PxG<sup>®</sup> planetary servo gear units

Servo gear units

Simply more added value. Because we understand your needs,

we can close the gap between your servomotor and application with the

After all, they offer crucial added value for every application.

new PxG<sup>®</sup> planetary servo gear units.

65

available 11/2019

#### 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

Planetary servo gear units		P5.G	P6.G	P7.G
Sizes		Contra 197	21, 31, 32, 41, 42, 43*, 51,	, 52, 53*
1-stage			3 - 10	
Gear ratio	2-stage	The second second	12 – 100	16 – 55
	3-stage	and the second	On request	64 – 550
Acceleration toro	que	66 – 840 Nm	40 – 480 Nm	80 – 990 Nm
Rotational cleara	ince		3 – 4 arcmin	
Service life		20 000 h (DC 60%)	30 000 h (DC 100%)	20 000 h (DC 60%)
Output variants		<ul> <li>Smooth solid shaft</li> <li>Solid shaft with key</li> <li>Splined solid shaft (DIN 5</li> <li>Flange block shaft without</li> <li>Flange block shaft with in</li> </ul>	5480) ut index bore ndex bore	Flange block without index bore
Lubrication	11	Lubrication for life: - SEW GearOil Poly E1, also in H1 (food grade) - SEW Grease HL2 E1, also in H1 (food grade)		
Seal		Premium Sine Seal or labyrinth seal (in the case of grease lubric		cation)

P7 only

#### 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

## 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

Standard gear units			
Туре	1. 1.	Gear ratios i	
Helical gear units, RX series	RX57 – RX107	1.3 - 7.63	
Helical gear units, R series	R17 – R127	3.83 - 216.54	
Parallel-shaft helical gear units, F series	F27 – F107	4.16 - 276.77	
Helical-bevel gear units, K series	K37 – K107 K19 – K49	3.98 - 174.19 3.19 - 60.27	
Helical-worm gear units, S series	S37 – S67	3.97 – 75.6	
SPIROPLAN® right-angle gear units, W series	W10 – W30 W37 – W47	6.57 – 75.0 3.2 – 74.98	

Servo gear units			Motor	
Туре		Gear ratios i	Туре	Torque range M <sub>aDyn</sub> Nm
Helical-bevel servo gear units, BS.F series	BS.F202 – BS.F802	3 – 40	CM3C63S – CM3C100L	22.5 – 1680

Motor	
Туре	Torque range M <sub>aDyn</sub> Nm
CM3C63S – CM3C100L	9.75 – 881
CM3C63S – CM3C100L	28.7 – 7000
CM3C63S – CM3C100L	31.2 - 8860
CM3C63S – CM3C100L	29.85 – 9090 23.9 – 605
CM3C63S – CM3C100L	29.78 – 655
CM3C63S – CM3C100L	49.28 – 70 24 – 180

## 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

#### **Advantages**

- Service life of SEW GearOil up to 50% longer than that of conventional lubricants
   High wear protection for rolling bearings reduces the risk of premature rolling bearing failures
- 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

Lubricant type		SEW GearOil
CLP 150	Mineral	SEW GearOil Base 150 E1
CLP 220	Mineral	SEW GearOil Base 220 E1
CLP 320	Mineral	SEW GearOil Base 320 E1
CLP 460	Mineral	SEW GearOil Base 460 E1
CLP 680	Mineral	SEW GearOil Base 680 E1
CLP 680	Mineral	SEW GearOil Base 680 S E
CLP PG 150	Synthetic	SEW GearOil Poly 150 E1
CLP PG 220	Synthetic	SEW GearOil Poly 220 E1
CLP PG 460	Synthetic	SEW GearOil Poly 460 E1
CLP PG 460	Synthetic	SEW GearOil Poly 460 W E
CLP PG NSF H1 150	Synthetic	SEW GearOil Poly 150 H1
CLP PG NSF H1 220	Synthetic	SEW GearOil Poly 220 H1
CLP PG NSF H1 460	Synthetic	SEW GearOil Poly 460 H1



- 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

	Can be used for
	Helical, parallel-shaft helical, K7 helical-bevel and helical-worm gear units as well as industrial gear units
	Helical, parallel-shaft helical, K7 helical-bevel gear units and PS.C planetary servo gear units as well as industrial gear units
	Industrial gear units
	Industrial gear units
	Industrial gear units
1	Helical-worm gear units
	K9 helical-bevel gear units
	Helical, parallel-shaft helical, K7 and K9 helical-bevel and helical-worm gear units, PS.F planetary servo gear units, BS.F right-angle servo gear units
	K9 helical-bevel gear units
1	SPIROPLAN® right-angle gear units
E1	K9 helical-bevel gear units
E1	K9 helical-bevel gear units
E1	SPIROPLAN® right-angle gear units, K9 helical-bevel gear units, PS.F planetary servo gear units, BS.F right-angle servo gear units



- 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

up to PL d according to EN ISO 13849-1	АКОН, АК1Н
Category 1 (cat. 1) according to EN ISO 13849-1 suited for ntegration into a safe brake system (SBS) up to berformance level e (PL e)	BZ

ue M <sub>o</sub>	Dynamic limit torque M <sub>pk</sub> Nm	Mass moment of inertia of the motor J <sub>mot</sub> 10-4kgm <sup>2</sup>
	8.1	1.3
	14.7	2.5
	19.2	3.6
	19.5	7.4
	28.5	10.7
	42	17.1
	31.5	17.6
	46.8	25.2
	68.4	40.6
	57	40
	80.4	57.3
	120	92.1

### 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 Compact motor** DCA.. series

- High overload capacity due to gear unit selection for high peak loads

**PN..DCA..** series

- Smooth running due to optimized gear geometry
- Flexible as there is no axis offset
- Fits even into small installation spaces
- engineering interface - Flexible as it can be adjusted to various applications
  - All the necessary electrical connections can be made using a hybrid plug connector

- Power range from 180 W to 350 W with

- Fully integrated control electronics with

- Parameters can be easily set using an RS485

DC 48 V voltage supply

analog and digital interfaces

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





## Industrial gear units **Generation X.e**

- Is 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

Gear unit design	Stages	Gear ratio i	Nominal torque M <sub>N2</sub> kNm
Helical gear unit X.F.180e – X.F.250e	2 to 4 stages	6.3 – 400	58 – 175
Bevel-helical gear unit X.K.180e – X.K.250e	2 to 4 stages	6.3 - 400	58 – 175



### Maintenance redefined DriveRadar®

Under the umbrella of DriveRadar<sup>®</sup>, 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



DriveRadar<sup>®</sup> aims to determine the status of products, machinery and systems by using data that is recorded during the operation of drive systems. The data is evaluated using cutting-edge predictive analytics procedures, converted with expert knowledge to instructions for action and interpreted and made available in a database corresponding to the level. This means, DriveRadar<sup>®</sup> can prevent unforeseen failures



For stationary and mobile applications (for example in automotive plants)

### **DriveRadar**<sup>®</sup>



Interpreting data and issuing maintenance recommendations =

DriveRadar® Status Report ustomer: Example Ltd. roject/order number: MAXOLUTION® project Author: John Doe Date: xx.xx.xxxx Contact for feedback, add SEW-EURODRIV

### Mobile systems **MAXOLUTION®** factory automation

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.

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







#### Our portfolio

- Transportation vehicles
- Assistance systems

- Automation packages
- Project planning and control software
- Infrastructure for mobile systems 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

Announcement

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?

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