



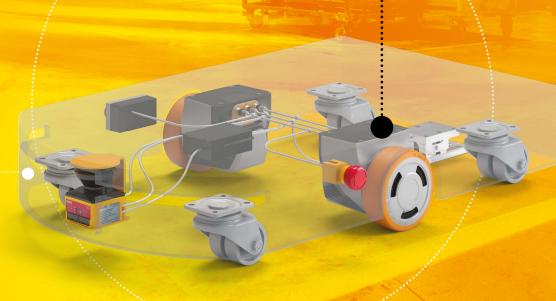




THE SIMPLEST MOBILE ROBOT SETUP EVER

SWD® technology disrupts AGVs and AMRs architecture thanks to its unique level of integration







COST REDUCTION

- Up to 50% less components
- Simpler and faster assembly



TIME SAVING

- Shorter engineering time
- Simplified certification process



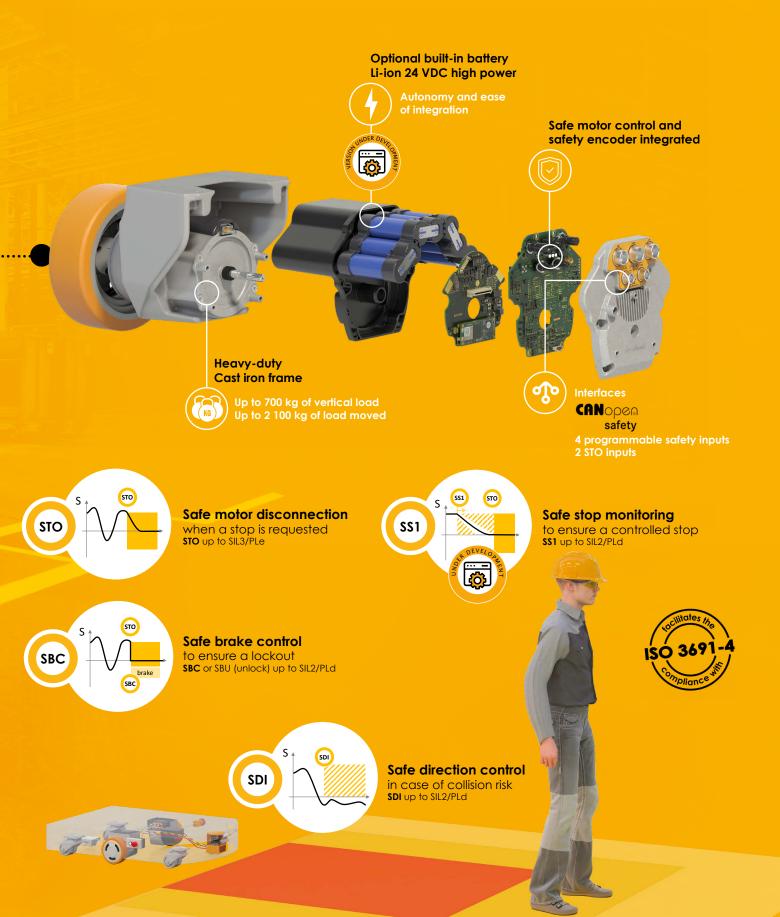
FIRST-CLASS SAFETY

- Suitable for collaborative applications
- ISO 3691-4 compliance



MODULAR ARCHITECTURE

- Freedom of integration
- Flexible and scalable



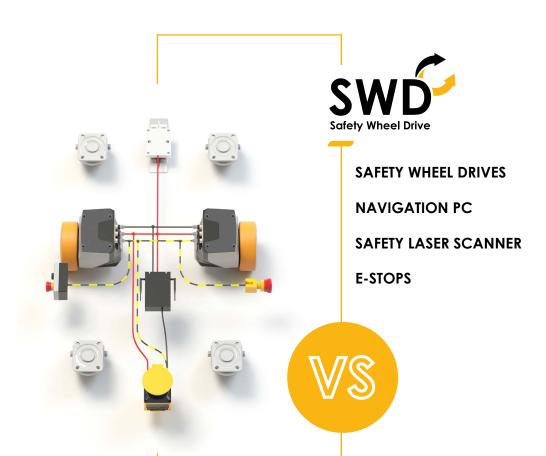


Safely limited speed

to prevent hazardous situations SLS (8 levels) or SLSa (asymmetric) up to SIL2/PLd

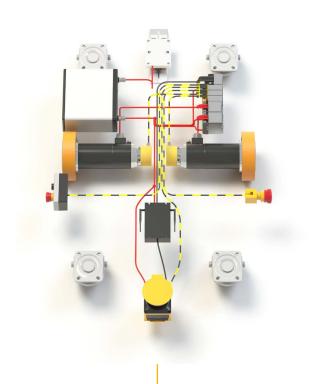


Safe maximum speed to secure operating range sms up to SIL2/PLd



CONVENTIONAL SOLUTION





WHEELS
GEARBOXES
MOTORS
SAFETY ENCODERS

PLC SAFETY PLC RELAYS MOTOR DRIVERS

BATTERY
CIRCUIT BREAKERS

NAVIGATION PC SAFETY LASER SCANNER E-STOPS



INDUSTRY



AUTOMOTIVE



E-COMMERCE / RETAIL



CONTROLLED ENVIRONMENTS

UNIQUE TECHNOLOGICAL BRICK FOR ALL INTRALOGISTICS NEEDS

Drives and Wheel Drives with integrated safety

SWD® Core

for safe multi-axis movements

The SWD® Core is a safety integrated gearmotor able to lift, convey, transfer or rotate any load.

- High torque up to 37 Nm
- Flexible gear ratio from 4:1 to 100:1, or without gearbox
- · Versatile design fitting multiple applications



SWD® 125

for light weight or medium duty intralogistics

The SWD® 125 is an extremely compact wheel drive designed to address the functional safety requirements of mobile robots.

- Ø 125 mm
- 250 kg max. vertical load per wheel
- For medium payload robots up to 1500 kg
- 4:1 and 14:1 gear ratio available
- Extremely compact footprint

SWD® 150

for heavy duty intralogistics automation

The SWD® 150 is a compact, robust, and safety-compliant wheel drive designed to automate the transport of heavy loads in a production area.

- Ø 150 mm
- 700 kg max. vertical load per wheel
- For heavy duty robots from 1 to several tons
- 14:1 and 25:1 gear ratio available
- Robust cast iron housing



Discover datasheets, manuals, product options, software support and our pre-packaged kits to accelerate the development of your mobile robot and much more!









22 FACTORIES



MORE THAN 75 YEARS OF EXPERIENCE



3,100 EMPLOYEES WORLDWIDE



100 000 + REFERENCES

EMEA SALES & CUSTOMER SUPPORT

Contact our safety specialists at eu.support@idec.com

BENELUX

Belgicastraat 7/1 1930 ZAVENTEM Belgium BEL: (+32) 27 25 05 00 NL: (+31) (70) 799 91 51 be.sales@apem.com

FRANCE

55, avenue Edouard Herriot BP1 82303 CAUSSADE Cedex (+33) 5 63 93 14 98 fr.commercial@apem.com

GERMANY

Gewerbehof Giesing Paulsdorfferstr. 34, 2. OG D-81549 MUNICH MUNICH: (+49) 89 45 99 11 0 HAMBURG: (+49) 40 253054 0 de.info@apem.com

ITALY

Via Savigliano 6/B 12062 CHERASCO (Fraz. Roreto di Cherasco) Tel: (+39) 0172 74 31 70 apem.italia@apem.com

SWEDEN

Torshamnsgatan 39 S-16440 KISTA (+46) 8 626 38 00 se.info@apem.com

UNITED KINGDOM

Drakes Drive LONG CRENDON, Bucks HP18 9BA England (+44) 1 844 202400 uk.sales@apem.com

www.ez-wheel.com







