SWD® STARTER KIT,
DEVELOPMENT KIT FOR AGV AND AMR

SWD®
Starter Kit

The SWD® Starter Kit is designed to facilitate and accelerate the development of AGVs and AMRs using ez-Wheel's exclusive SWD® Safety Wheel Drive technology and a SE2L safety laser scanner.
The Starter Kit platform is ready to use: start developing your mobile robot right away!
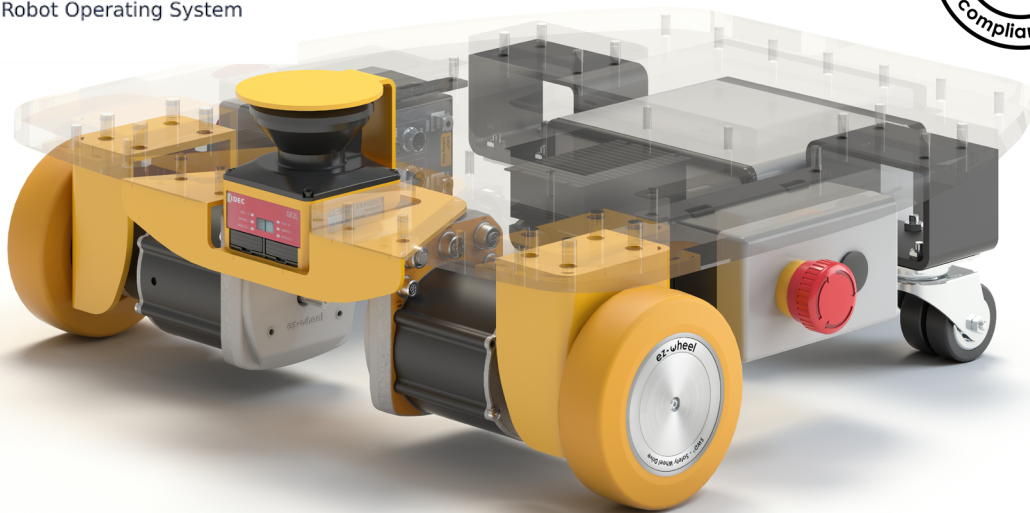
SWITCHES	SAFETY	PANEL	AUTOMATION

Robot Operating System

ISO 3691-4
facilitates the compliance with

TECHNICAL FEATURES

- The on-board computer comes with a Linux OS, as well as the open-source ROS middleware and the drivers needed to control the platform in differential mode.
- The Starter Kit offers all the exclusive safety features of the SWD® Safety Wheel Drive range such as SIL2 / PLd certified motion control, ensuring development in accordance with the ISO 3691-4 driverless truck standard.

- ✚ Motorisation: SWD® Core
- ✚ Sensor: SE2L safety laser scanner
- ✚ Speed range: 0 to 3 km/h
- ✚ Battery: 24 V – 9 Ah
- ✚ Software: Linux and ROS
- ✚ Compatibility: ROS and ROS2

SWD®
Starter kit

START THE DEVELOPMENT OF YOUR MOBILE ROBOT IMMEDIATELY!

SWD® STARTER KIT

- **SWD® CORE**
  Safety gear motor with 125 mm castors

- **SWD® SAFETY HUB**
  Central interconnection box for intuitive connection

- **SE2L SAFETY LASER SCANNER**
  The IDEC SE2L is the world's smallest safety laser scanner. It ensures the safety of humans around the mobile robots.
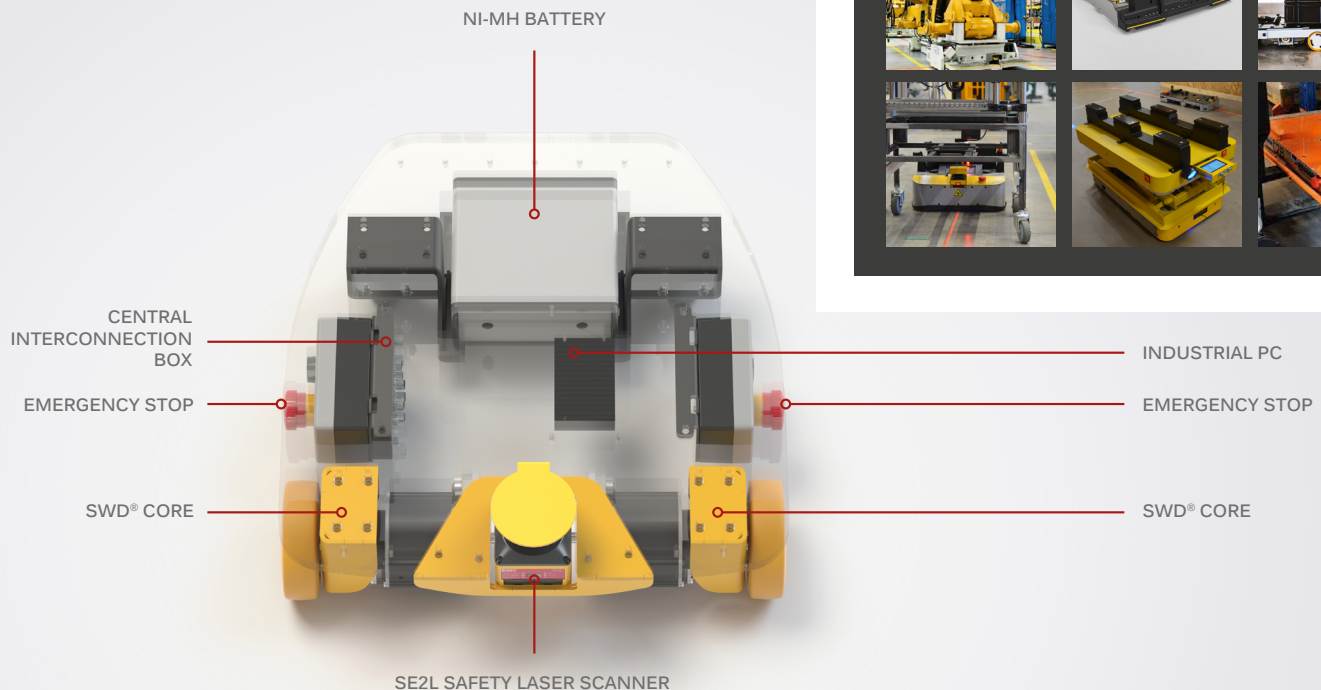
BENEFITS

➕ Adaptable generic components.

➕ Reduction in the number of components VS a classic AMR.

➕ SIL2 / PLd safety functions complying with the ISO 3691-4 standard.

ROBOTIZATION KIT

Implementation on any type of mobile application
- AGVs, AMRs
- AGCs
- Mobile robots

NI-MH BATTERY

CENTRAL INTERCONNECTION BOX

EMERGENCY STOP

SWD® CORE

INDUSTRIAL PC

EMERGENCY STOP

SWD® CORE

SE2L SAFETY LASER SCANNER

◉ **Consult instruction manual**

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APEM
an IDEC company