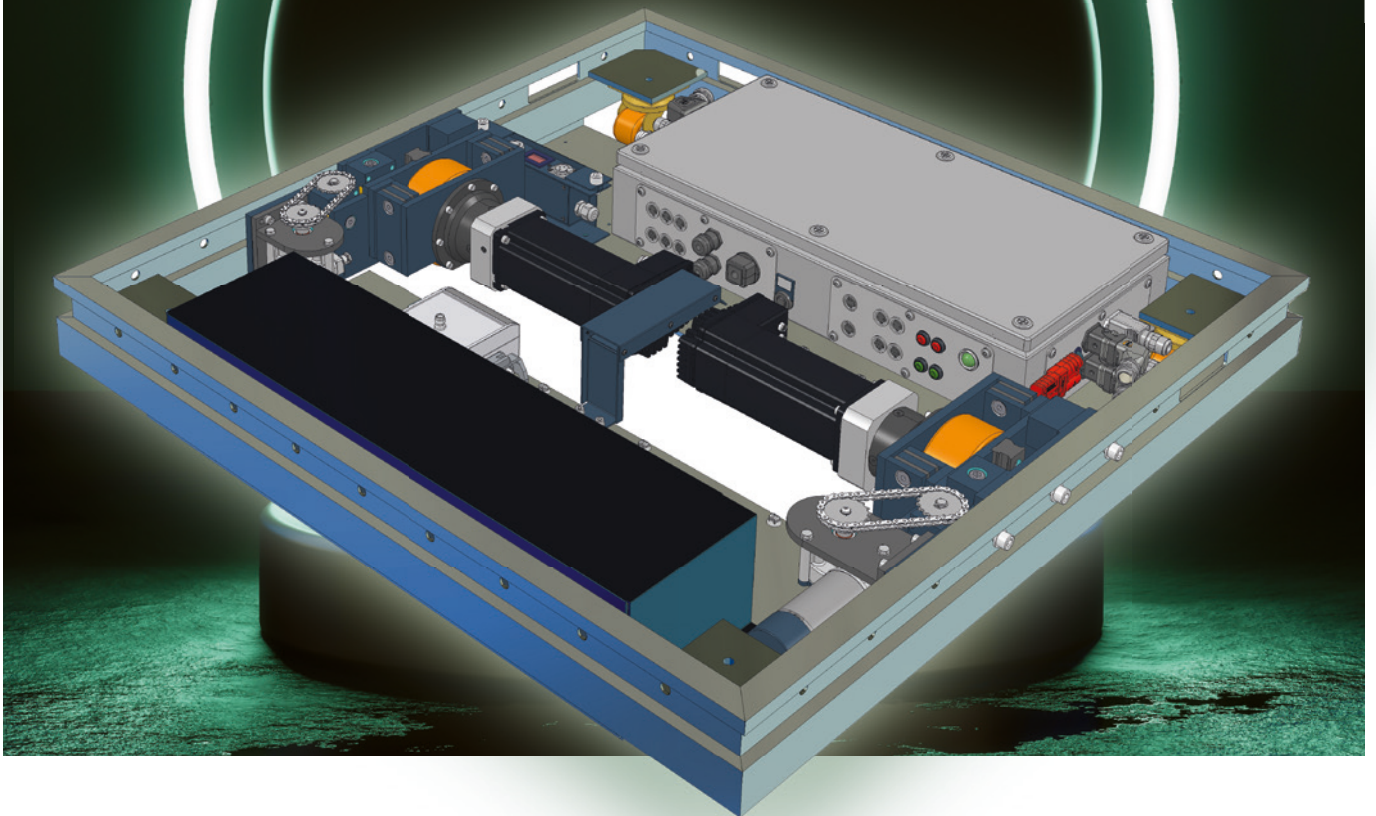


move a stage

SERVO IIA











DRIVE MODULE FOR LINE-MOVABLE STAGE WAGONS

greenmotion


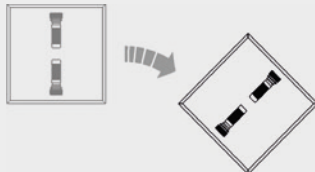
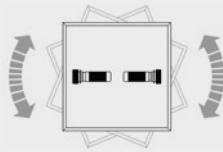
in corporation with

HOAC[®]
Stage Technology

THE STANDARD FOR LINE-MOVABLE DRIVE UNITS

	SAFETY RADIO REMOTE CONTROL.		STOP CATEGORIE 1 (EN 60204): After triggering an EMERGENCY STOP the machine is stopped with a controlled braking ramp.
	STANDARD-HEIGHTS of 16 ^{2/3} and 20 cm (incl. 21 mm cover plate).		Acceleration, deceleration and emergency stop with SMOOTH JERK FREE sin ² -ramps.
	All necessary components within the modul dimensions 1 x 1 m arranged.		Safe stopping and immobilization even on slopes thanks to an integrated STOP BRAKE in each drive.
	EMERGENCY STOP complies with SIL3 according to IEC 61508.		Powerful 48-V-DRIVE-ACCUS.

DRIVING MODES

STRAIGHT-LINE MOVEMENT Executing of straight-line travels with variable speed and direction.	CORNERING Execution of movements with any or fixed curves with variable speed and direction. In this driving mode, the drive module can also be used as a turntable drive.	ROTATION Execution of turning movements on the spot with variable speed and direction of rotation.
		

FEATURES

Double starting torque especially for stage wagons with a large number of support rollers.

Infinitely adjustable travel speed from 1 mm/s ... 1.0 m/s.

One drive module moves up to 3000 kg of load.

Each drive wheel is individually spring-mounted to compensate for uneven floors.

Drive wheels are detachable from driving surfaces by the integrated spindle drive, thus manual
shifting possible (optionally also electrically, via radio).

ADVANTAGES

Powerful driving control

The Master is equipped with a control computer that is well equipped for all conceivable tasks, for example:

Extension with an inductive, optical or magnetic line guidance system.

Position control.

Teach-in: Up to 80 tracks, each lasting up to 5 minutes, can be stored and reproduced.

Electronic differential for coupling several drive modules.

Feedback from status and control information to the control panel, such as battery charge status, drive utilization, etc.

Pre-limit and limit switches, additional EMERGENCY STOP buttons and much more.

Customized radio interface

An interface is available for the transmission of any switching commands to be used from the radio control panel to the drive module.

Separate control panel for ON/OFF and charging connection for remote mounting

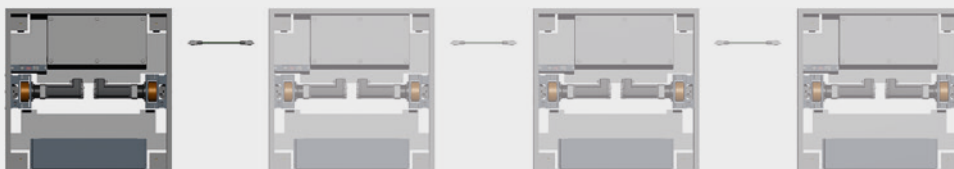
The panel can be easily dismantled and placed elsewhere or extended with a cable.
Fits into the standard slotted holes in the HOAC frames.

COST REDUCTION USING MASTER/SLAVE PRINCIPLE

The cost-intensive plc is only required once within a construction. This is included in the master drive. The number of drives required to achieve the necessary drive power is achieved by coupling them as slave drives. These only contain the drive train and the accumulators.

Up to seven slaves can be operated on one master. A slave can be equipped with one or two drives.

Master modules can also be coupled.



CONTROL CONCEPT



Setup and monitoring are done via an 8-inch wireless rugged tablet.



Operation via safety radio remote control ...



... or from top-level control.

greenmotion

HOAC
Stage Technology