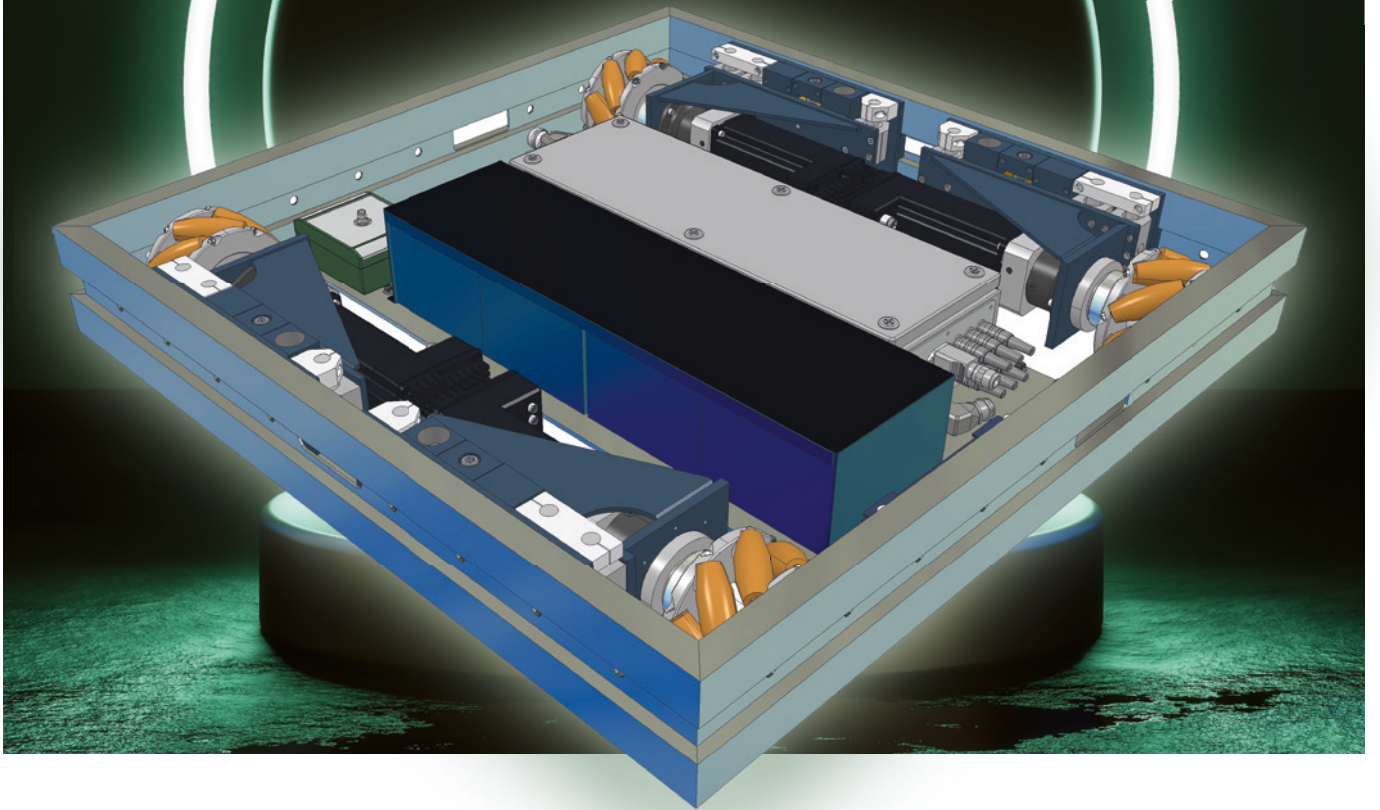


move a stage

MECANUM



DRIVE MODULE FOR AREA MOVABLE STAGE WAGONS

greenmotion

in corporation with

HOAC[®]
Stage Technology

THE STANDARD FOR AREA-MOVABLE STAGE WAGONS



**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 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.

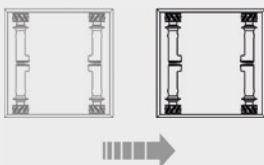


Powerful
48-V-DRIVE-ACCUS.

DRIVING MODES

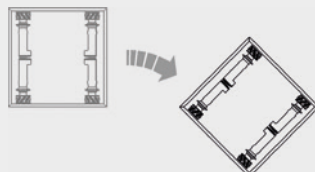
STRAIGHT-LINE MOVEMENT

Executing of straight line
movements with variable
speed and direction.



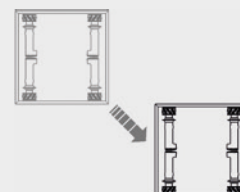
CORNERING

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.



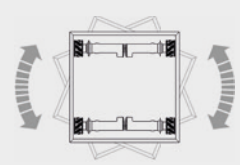
OMNIDIRECTIONAL MOVEMENT

Execution of linear
movements with variable
speed and direction. The
orientation remains
unchanged.



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 2000 kg of load.

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

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

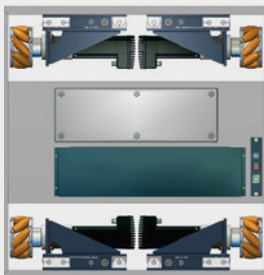
An interface is available for the transmission of any switching commands to be used from the radio control panel to the drive module.

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.

VARIOUS POSSIBLE COMBINATIONS

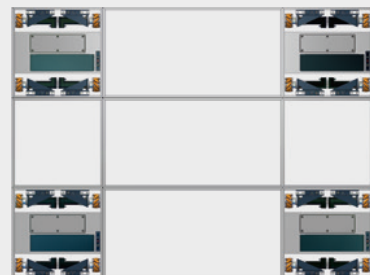
Single Modul with
FOUR DRIVES.



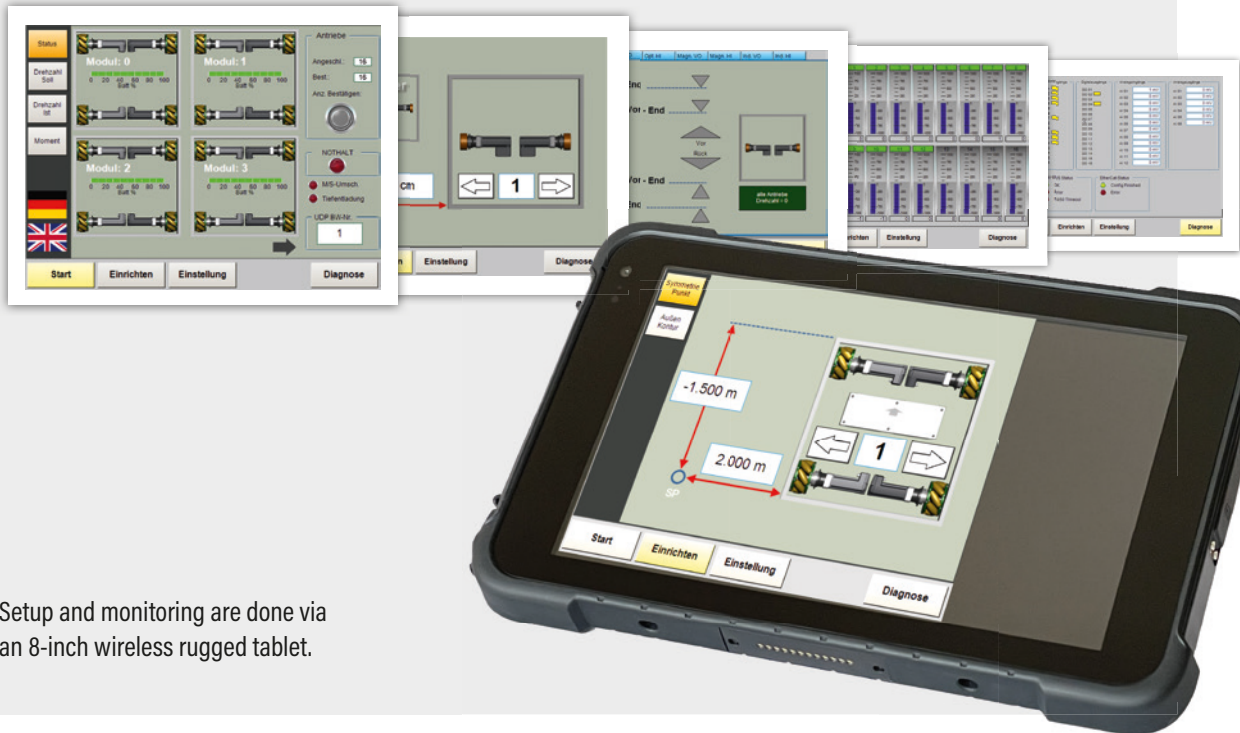
Drives can **REMOVED INDIVIDUALLY** and can be arranged in any way.



Up to **EIGHT DRIVE MODULES** work together.



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

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