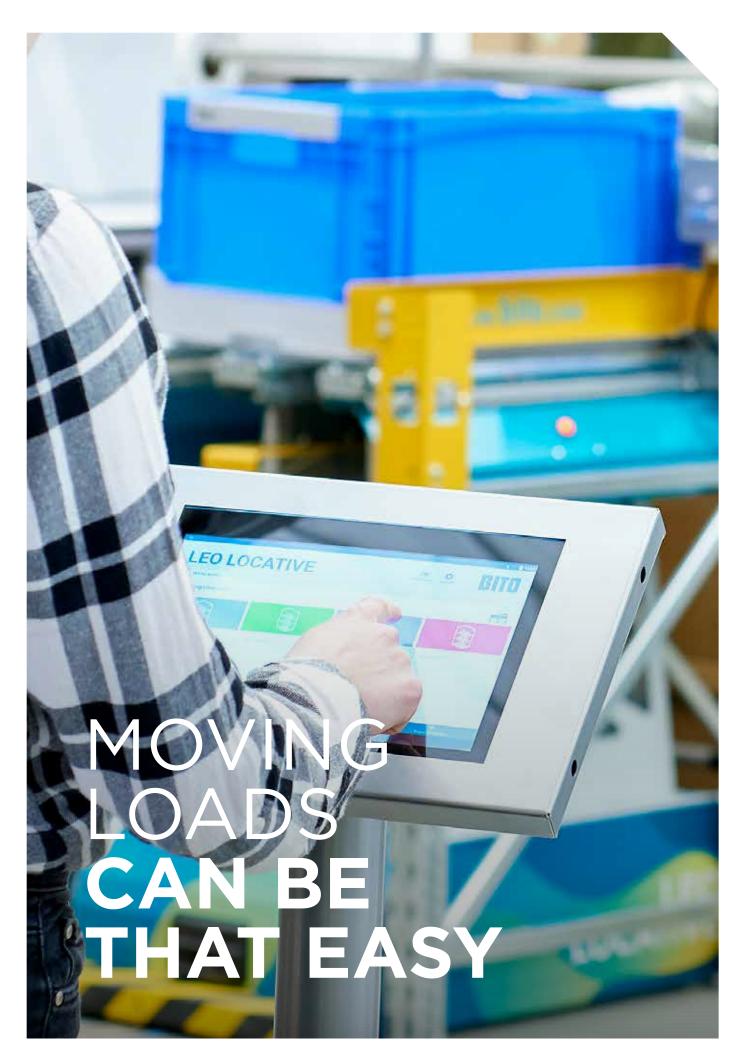
LEO LOCATIVE



The automated guided vehicle without IT **NEW TARGET CONTROL VIA TABLET** LOCATIVE bito.com



DYNAMIC TRANSPORT SOLUTION

SIMPLY BRILLIANT

- driverless transport system for bins and cartons
- reliably links workstations in logistics and production
- decentralized target control
 without Wi-Fi or host computer

EASY TO USE

- + optical track guidance
- drive commands via optical code markers on the floor
- fully automatic transport of goods with drop-off and pick-up stations

SMOOTH OPERATING

- Easy set-up
- + Adjustments can be made by own staff
- Modular system that grows with your needs
- + Cost efficient
- Distribution of goods to over 500 destinations

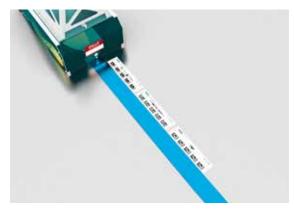
THE SMART AGV THAT WORKS WITHOUT INTEGRATION INTO YOUR IT ENVIRONMENT

IMMEDIATELY OPERATIVE - RUNS 24/7

You decide on the routing - thanks to target control, LEO can flexibly approach more than 500 destinations.

The schematic drawing illustrates an example of how to implement LEO: Position your LEO stations and mark the path by affixing the tape on the floor. Then place code markers to determine stops, pick-up and drop-off points.





LEO Locative follows an optical track and receives commands via code markers.



Enter destination info via tablet - smart stations will transmit this info to LEO.



LEO KIT #1 »STARTER PACKAGE«

LEO KIT #1 INCLUDES

- + 1 LEO Locative vehicle including battery
- + 1 LEO accessory box complete with:
 - 1 charger
 - Track set # 1:
 lane marking tape "flex" in red, green and blue (130 m of each colour) and 1 lane marking tape "robust" (25 m) in blue
 - 65 code markers for operations without transfer station
 - 1 software update cable
 - 1 converter package for international use
 - 1 track planning template for easier tape laying



LEO KIT 2 »PICK-UP & DROP-OFF STATIONS«

LEO KIT # 2 INCLUDES

- + 1 LEO Locative vehicle including battery
- + 1 drop-off station
- + 1 pick-up station
- 1 LEO accessory box complete with:
 - 1 charger
 - Track set # 2:
 - 1 lane marking tape "flex" in red, green and blue (260 m of each colour) and 1 lane marking tape "robust" (25 m) in blue
 - 112 code markers for operations with transfer station
 - 1 software update cable
 - 1 converter package for international use
 - 1 track planning template for easier tape laying



LEO KIT #3 »TWIN STATIONS«

LEO KIT #3 INCLUDES

- 1 LEO Locative vehicle including battery
- 2 twin stations
- 1 LEO accessory box complete with:
 - 1 charger
 - Track set # 2:

1 lane marking tape "flex" in red, green and blue (260 m of each colour) and 1 lane marking tape "robust" (25 m) in blue

- 112 code markers for operations with transfer station
- 1 software update cable
- 1 converter package for international use
- 1 track planning template for easier tape laying







YOUR LEO LOCATIVE - YOUR LOOK

THE AGV THAT FITS YOUR BUSINESS

Choose from hundreds of design options for your LEO vehicle or create your own design.

Add a company logo, choose a picture and a text message with background colour - there are no limits to your imagination.



FACT SHEET LEO LOCATIVE

LEO VEHICLE

Dimensions (W \times L \times H)	500 × 830 × 921 mm
Weight including charger	42 kg
Maximum speed	0,7 m/s
Minimum speed	0,4 m/s
Tension	24 V
DC power	40 W
IP code	21 IP
Sound volume	<60 db

LEO CHARGER

Dimensions (W \times L \times H)	120 × 190 × 70 mm
Primary voltage	230 V / AC 50 Hz
Electric charge	4 A
Protection class	III

LEO BATTERY

Dimensions (W × L × H)	370 × 80 × 225 mm
Weight	14 kg
Capacity	20 Ah
Service hours (battery fully charged)	8 – 12 h
Charging time	6-8h

LOADS

Maximum dimensions (W × L × H)	600 × 400 × 400 mm
Minimum dimensions (W × L × H)	250 × 150 × 50 mm
Max. load capacity:	20 kg
Plastic load carriers	Yes
Carton load carriers	Good quality cartons

ROUTE PLANNING DATA

Track width (straight track)	550 mm
Minimum width of travel way	1000 – 1100 mm
Curve radius of track	700 mm
Envelope (outer/inner radius)	1150/400 mm

SYSTEM CAPACITY

Max. number of LEO vehicles	0,2 vehicles/m route
Max. throughput	350 load carriers/h

TRANSFER STATIONS

Dimensions of a single station (W \times L \times H)	710 × 740 × 850 mm
Dimensions of a twin station (W × L × H)	710 × 1,540 × 850 mm
Weight of a single station	60 kg
Weight of a twin station	120 kg
Tension	24 V
Power	5 W

STATION ACCESSORIES

$750 \times 400 \times 620 \mathrm{mm}$ lower edge
650 × 1,200 × 920 mm
650 × 1,200 × 780 mm
650 × 2400 × 1000 mm
650 × 2400 × 710 mm

OPERATING REQUIREMENTS

Floor flatness (gradient)	2%
Floor colour	no requirement
Temperature	+5° to +45° C
Maximum air moisture	not condensing

Refer to **www.leo-locative.com** for more information

^{*}Smaller radius possible without loads and at low speed



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