

# AUTOMATED GUIDED VEHICLES (AGV)



**EAGLE-ANT 0**



**EAGLE-ANT 1**

***Stöcklin***  
**Home of Intralogistics**

## **EAGLE-ANT**

The EAGLE-ANT is an automatically operated floor handling vehicle for pure transport assignments from picking up to setting down a load in a horizontal plane for interior applications in dry surroundings. It is technically optimized for a quick ROI (Return On Investment).

### **Navigation and Safety**

On the EAGLE-ANT, navigation is accomplished using ambient features (walls, pillars, and permanently installed equipment, etc.). Installed in the front and rear of the vehicle (except for EA0), built-in safety laser scanners provide for orientation in the specific surroundings. They continuously monitor the motion range and identify the specific surroundings. A digital map of the operating environment, containing the route for the vehicles, is used for this purpose. Simultaneously the laser scanners are also responsible for safe monitoring of the route. When an obstacle appears, the vehicle stops or the speed is adapted to match an obstacle in front.

### **Maximum flexibility**

This method of navigation using ambient features eliminates expensive floor work (e.g. magnets or inductive coils). This significantly reduces the costs for installation, making the whole procedure simpler and requiring less time. Moreover, it enormously increases the flexibility for changing the route or adding additional vehicles.

### **Travel Orders and Traffic Management (TMS)**

Travel orders can be completed manually and automatically with sensors or via an appropriate interface to a warehouse management system. All transport orders are managed by the host computer for the automated guided vehicles, which assigns the orders to the next available vehicles.

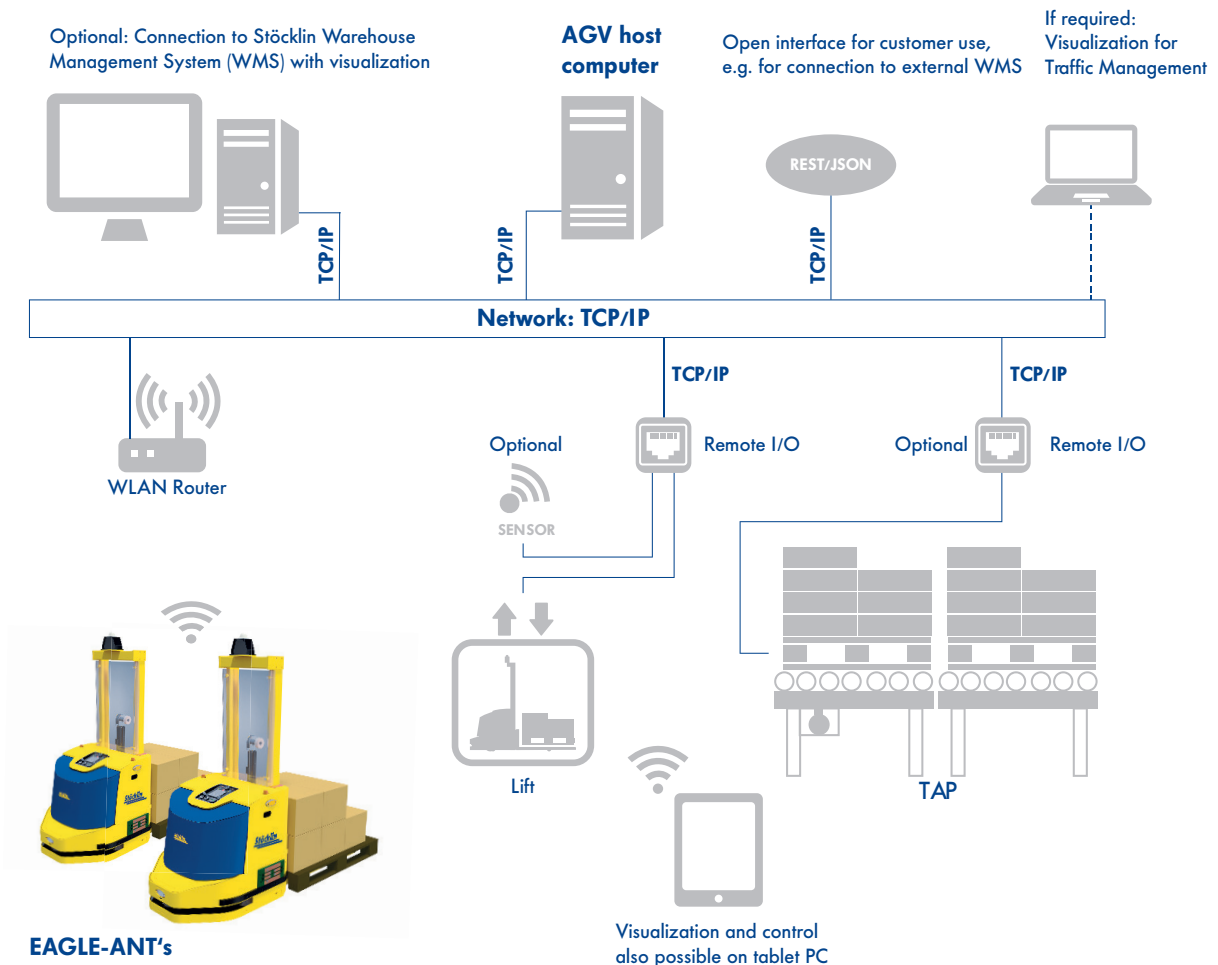
### **Lithium ion batteries (Stöcklin Li-Ion) and charger**

The vehicles are operated with our high efficiency Stöcklin Li-Ion power system. The vehicle batteries are recharged fully automatically at our charging stations.



	 EA 0	 EA 1	<i>coming soon</i>	<i>coming soon</i>
	EA 0	EA 1	EA 2	EA 2C
Device type	Low lift	Medium lift	High lift	Counterweight
Max. lifting capacity	1600 kg	1200 kg	1600 kg	1000 kg
Max. height	110 mm	1150 mm	3900 mm	1000 mm
Max. operating speed* (forwards, straight ahead)	1.4 m/s (5 km/h)	1.4 m/s (5 km/h)	1.4 m/s (5 km/h)	1.4 m/s (5 km/h)
Max. operating speed* (reverse)	0.3 m/s (1.1 km/h)	1.4 m/s (5 km/h)	1.4 m/s (5 km/h)	1.4 m/s (5 km/h)

\*) Effective vehicle speeds always depend on ambient conditions, loads to be transported, floor surface, curves, etc.

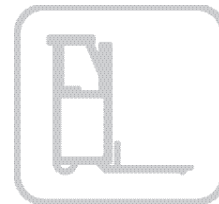
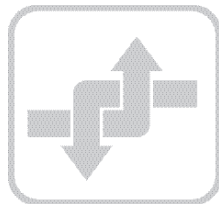


# **Stöcklin**

**Home of Intralogistics**

Since 1934, the Swiss Stöcklin Group has been your competent partner worldwide for innovative and customer-specific logistics solutions.

As an experienced, international system integrator for intralogistic systems, we support our customers from the planning and development phase right through to delivery of complete turnkey systems. Our products, produced primarily as the original equipment manufacturer (OEM), allow us to offer conveying and storage systems for highly varying types of load carriers as well as floor handling equipment to strengthen our customer's long term, sustainable competitive ability.



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