

AGVs & Warehouse Vehicles

AGVs, automated guided vehicles, warehouse trucks, electric forklifts, reach stackers, pallets trucks, pedestrian stackers, narrow aisle, VNA, turret trucks, order pickers

ANT: “The Beating Heart of Mobile Robotics”

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For fast-evolving, solution-orientated industrial automation, ANT® is claimed by its founders, BlueBotics, as the nerve centre enabling mobility of vehicles and robots. The company says its Autonomous Navigation Technology ANT® “works with natural features, does not need any additional infrastructure, is quick to install and simple to modify, whether working with a single vehicle or a large fleet”. Hundreds of these navigation systems have been successfully delivered around the world. In only one year, the number of companies adopting ANT® has more than doubled.

Now, the new patent pending ANT® localization+ has gone one step further with the emulation of line following and tags. It offers a valid substitution to inductive wires, painted lines or magnetic tape for vehicle suppliers and represents an optimal retrofitting solution for existing installations permitting an ideal use of the available premises. The benefits include a minimal integration effort, an easy and flexible industrial installation and the removal of all costly and heavy physical infrastructure represented by the wires, lines, tapes and tags.

The ANT® product line has been evolving since 2009, for example in logistics with Esatroll, where ANT® enables the

transportation of pallets from palletizer to stock buffer in racks, in narrow aisles, or for deep stacking. In professional cleaning, Cleanfix commercializes autonomous cleaning machines for sport halls, hospitals, hotels and shopping centres. Oppent automates hospitals with fully integrated fleets of vehicles, while Stöcklin delivers its simple and extremely competitive automated forklifts for pallet logistics.

Today, new companies are adopting ANT® in different markets and countries. Their applications range from green tire handling with Cimcorp in Finland and North America, production logistics with Indumont in Switzerland, automotive with iROB in Turkey, Optimus Robotics in France and WEWO in the Netherlands, as well as cleanroom automation with MacPion in Korea. SEP Logistik in Germany even started a complete new application with ANT® localization to track manual forklifts.

Alongside commercial growth, BlueBotics continues keeping a watchful eye both on emerging customers' requirements as well as on the latest technological and scientific developments at international level. These contacts provide the basis to develop solutions meeting clients' individual needs which help to reduce costs and achieve greater added value.