

ANT everywhere

ENABLING A NEW ERA OF AGV & AMR OPERATIONS

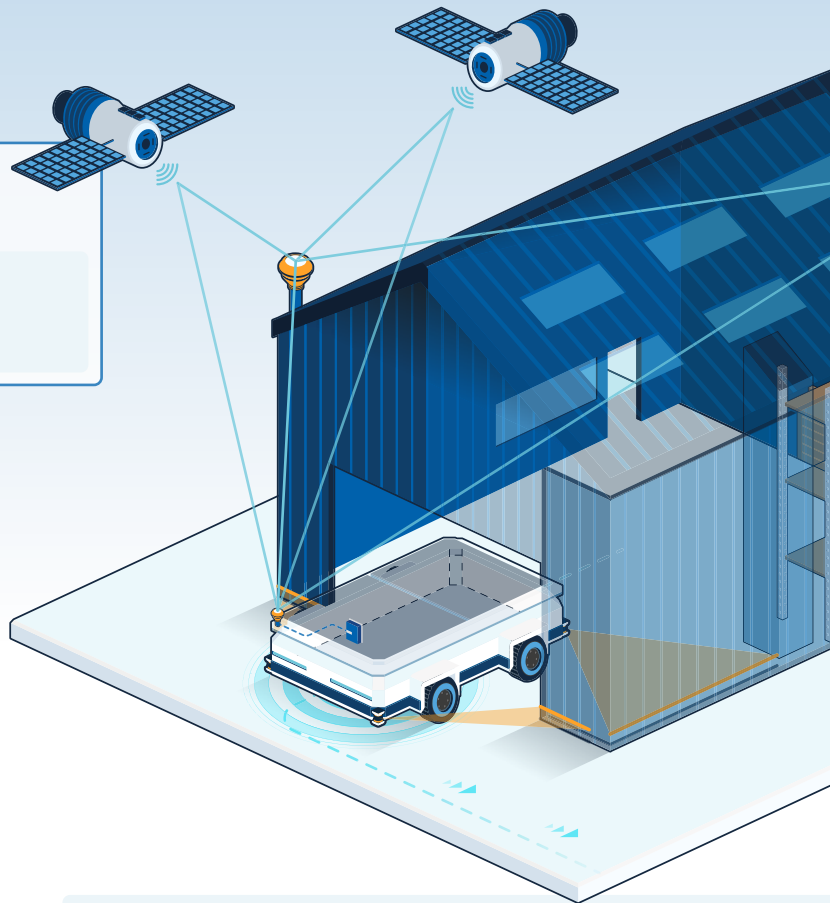
BLUEBOTICS

An outdoor product extension for ANT navigation

Operating AGVs outdoors was traditionally a real challenge. For vehicles driven by natural feature navigation, the lack of features in the environment made it difficult to calculate a vehicle's position, meaning additional infrastructure often needed to be installed. While for older, traditional outdoor AGVs, the installation of GPS-based vehicles was complex and difficult, with the limitation that these vehicles could not function also indoors.

ANT everywhere meets the challenge of outdoor operation by adding high-precision GNSS as an additional data source when calculating a vehicle's position.

The result is that outdoor AGV operations become just as simple, robust and precise as those indoors — opening up a new world of customer applications.



Components:



- 1x GNSS base station (1x per site)
- 1x GNSS receiver (1x per vehicle)
- ANT everywhere software extension
- ANT everywhere Support Package*

*Mandatory for 1st installation

APPLICATIONS

Transporting payloads between buildings



Linking logistic and production sites



INDUSTRIES

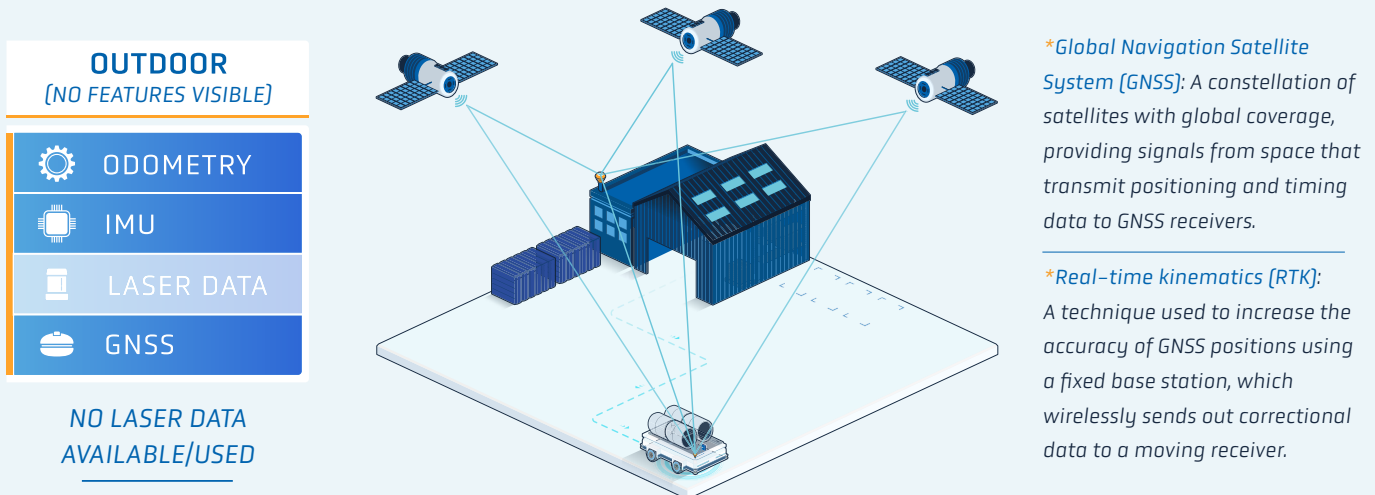
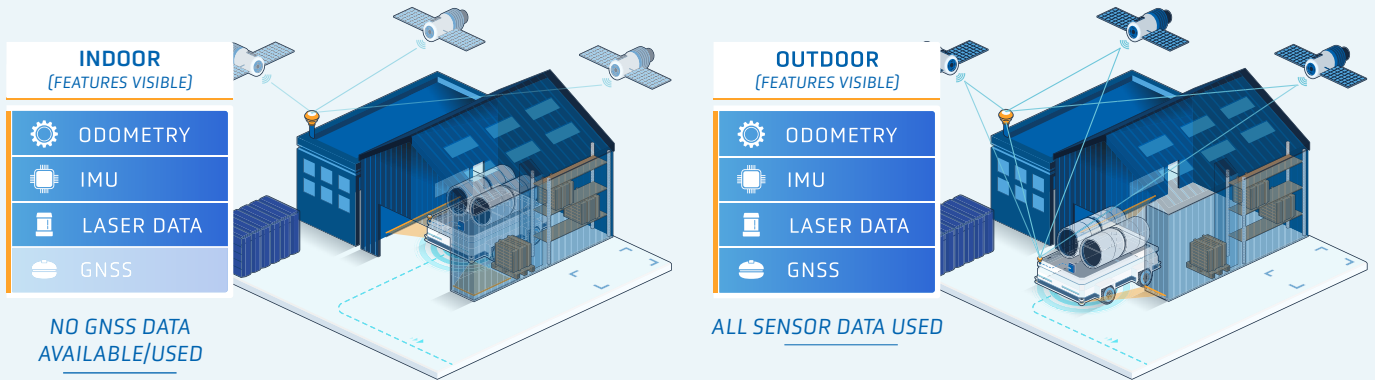


- Aerospace
- Airports
- Automotive
- Agriculture
- Mining
- Paper & pulp
- Ports
- Steel & aluminium
- Tire production
- Wind turbines/offshore

How ANT everywhere works

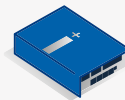
1. All sensors run simultaneously: odometry, laser data, IMU, GNSS* with RTK* positioning.
2. GNSS signals received by vehicle.
3. Fixed base station (e.g. on roof of building) sends RTK positioning 'corrections' to vehicle receiver.
4. ANT fuses all available data & uses most relevant.

Example use of sensor data during indoor/outdoor operation:



Compatibility

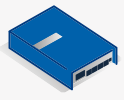
ANT everywhere is compatible with all ANT navigation products:



ANT lite*



ANT localization*



ANT localization

Speak to the team at [BlueBotics](#) to learn more.

BLUEBOTICS

Your Vehicle Navigation Partner

At BlueBotics we help companies meet the challenge of vehicle automation. We provide the navigation technology and expert support they need to bring their AGV, automated forklift or mobile robot successfully to market.