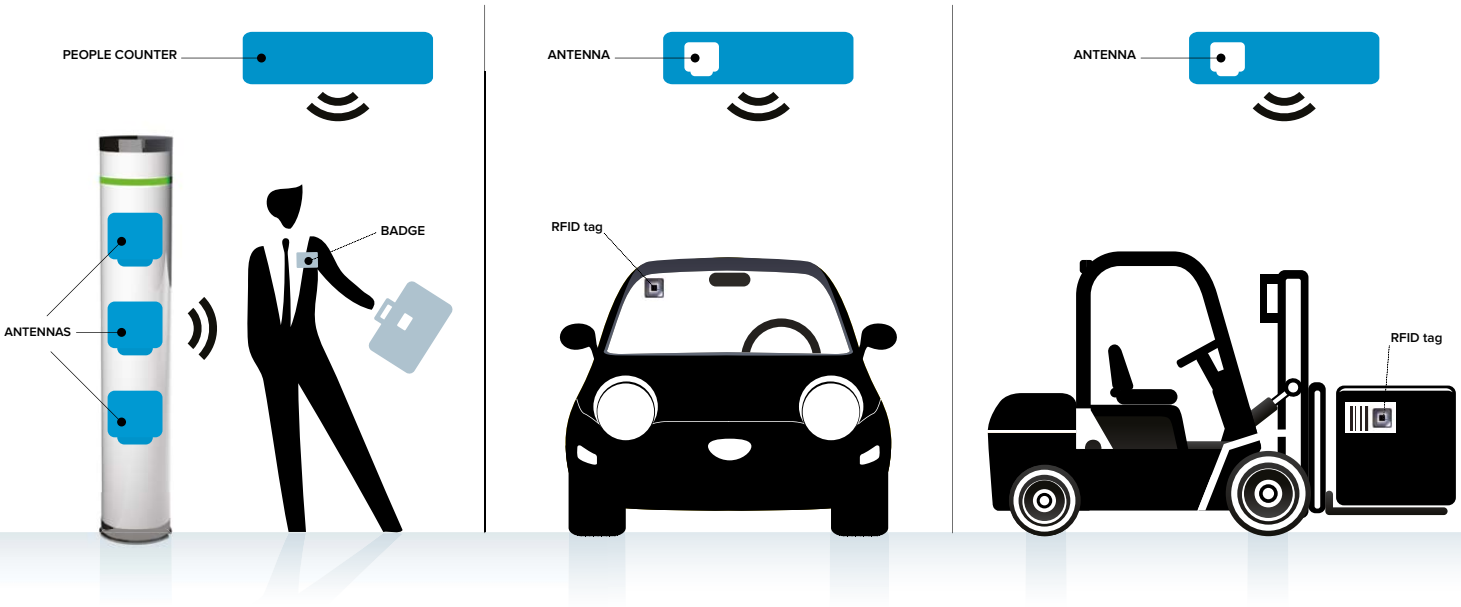
FreeGate

No obstacle to mobility in the company



A BARRIER-LESS OPENING FOR THE FREE FLOW OF PEOPLE, VEHICLES AND GOODS

Freedom to move around within the company spaces and the security of on-the-spot control.

Traditional invasive access control systems such as turnstiles, automatic doors, gates, etc. are usually installed at the entrance of a company in the reception area.
However, more and more companies are recognising the need to **control the flow of people, vehicles and goods inside their property,** whether it is a single establishment or a group of buildings located inside a "protected area," **verifying that people are actually in the areas they are authorised to enter.**
There is also the need for controls to ensure **safety in the workplace,** which involves checking the actual capacity of a building for safety purposes

FreeGate is a discrete, non-invasive control system that allows monitoring the transit of people, vehicles and goods without the installation of physical barriers, while ensuring complete control of the transit.

FreeGate can be installed in hallways, elevator landings, interior passages connecting company buildings. The barrier-less opening can also be hidden behind a drywall or wood panelling (if permitted by the type of installation).

FreeGate can also be connected to traditional physical barriers to prevent access if occupancy limits are exceeded in certain areas or parking areas, or if the person in transit has not been identified (the gate is normally open, but closes automatically in the event of an anomaly).

AXESS TMC
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How does FreeGate work

FreeGate reads a **UHF TAG (RFID)** worn by the person or attached to the vehicle or the goods to be controlled.
The **UHF** technology allows the badge to be read at a distance of a few metres.
Once the tag has been authorised, the system tracks the exact location of people, vehicles and goods.

In the event of unauthorised tags and/or the transit of people who are not carrying a tag, an audible alarm and warning light can be generated on site, or an alarm can be activated in the control room with simultaneous video recording to verify the scene of the transit.

For added security, in the event that the person or vehicle in transit needs to be stopped, the system can be connected to a physical access control device, such as a door that closes automatically or a bar that blocks the vehicle.

FreeGate is naturally able to manage multiple passages in both directions, automatically recognising the direction of the flow of each tag.

This function means **Freegate** can also be used to check how many people are in specific areas and notify when the occupants exceed the allowable limit.

Application of FreeGate

FreeGate's extreme flexibility means it can be used in any operating environment:

- **Access control in any company without the introduction of physical barriers or impediments on escape routes such as** hallways, elevator landings, TLC rooms, lobbies, parking areas and warehouses;
- **For occupational safety purposes** in areas with controlled occupancy (monitoring of the minimum and maximum of people present);
- **Automatic verification of Personal Protective Equipment (PPE)** present on materials, tools and company equipment, authorising access only to those who have the correct safety equipment;
- **Control of goods in transit** thanks to the tag that allows tracking the movement of materials inside the company (e.g. in a hospital, knowing where to find a certain type of ultrasound at a given time);
- **Management of parking areas and control of vehicle access,** the fully automatic UHF system means the vehicle does not have to stop and present its badge to a reader; the vehicle is identified as it approaches the opening via the tag affixed to the windshield;
- **Automatic detection of any break-ins** with generation of alarms for safety officers with optional video surveillance connected.

TECHNICAL**SPECIFICATIONS**

UHF READER	UHF Reader with 3 antennas with an operating frequency of 868MHz
ANTENNA	Antenna with suitable polarisation and angle of transmission
PEOPLE COUNTER	Counts the number of people in transit, entering/exiting an area
FM	Processor of field signals
CONTEXT CAMERA	2 optional cameras for recording in case of an alarm at the barrier-less opening
I/O MODULE	4 outputs and 8 inputs for any physical signals on site
LIGHT SIGNAL	Signals the transit status (green = correct transit, red = anomalous transit, blue = standby)