150 YEARS

BOON EDAM
YOUR **ENTRY** EXPERTS.

577564600740
AUTHORISED

TOUCHLESS.
ENTRANCE SOLUTION

MEDIUM LEVEL SECURITY

LIFELINE SPEEDLANE VISION.

THE SECURITY SPEED GATE WITH **INTEGRATED AI FACIAL RECOGNITION**

OVERVIEW

Changing work and public space environments have to stay ahead of the technology demands of the modern workforce. Improving employee safety, particularly at high traffic points in a location, is a matter of priority.

The Lifeline Speedlane Vision speed gate guides large groups of people safely and in a frictionless manner onto the next point of their journeys using sophisticated, touchless and intuitive sensors and modern technology. This addition to your existing access control and security infrastructure allows you the reduce staffing costs at key areas, without compromising of efficacy.

IT BEGINS AT THE ENTRY

Ensuring the safety of people within a space starts with making sure that only the right people enter it. Any breaches at controlled points of entry create operational, regulatory and health risks, and need to be managed correctly.

Manning each point of entry is a costly undertaking, and the use of access control solutions that require human touch remains a risk. The Lifeline Speedlane Vision provides a pleasant entry experience while simultaneously enhancing safety via touch-free, frictionless access.

THE NEW GENERATION AI SECURITY SPEED GATE

The Lifeline Speedlane Vision has been thoughtfully crafted with design aesthetics in mind. The smooth, premium glass casing houses intuitive-coloured LED lights that effortlessly glide along the cabinet top, guiding users from entry through authorisation to the secured area.

With the Oosto facial recognition camera fully integrated into the speed gate, we are able to offer the most premium, aesthetic solution, with facial recognition technology, so subtly integrated - nobody would even know it was there.

KEY FEATURES

- Intuitive approach detection
- Intelligent user guidance
- Face detection and recognition on-the-move
- Advanced AI capabilities
- Contactless operation and flush-mounted camera integrated into the Lifeline Speedlane Vision speed gate's body
- Camera with advanced lighting settings (tested by the most demanding users to ensure the highest accuracy in real-world conditions)
- Accurate tailgating detection
- Anti-spoof (with liveness verification)
- Mobile enrolment via a third party vendor (register visitors quickly and easily via mobile app)
- Smooth, swinging-motion glass barriers
- Slim, V-shaped, tapered cabinets with ergonomic design and small footprint

KEY BENEFITS

- Relieves pressure from security or reception staff and reduces staffing costs
- Reduces bottlenecks and crowding at entry points
- Coordinates beautifully with existing building décor and design (blend in or stand out according to your needs)
- Customisable dashboard
- Seamless integration with most access control systems
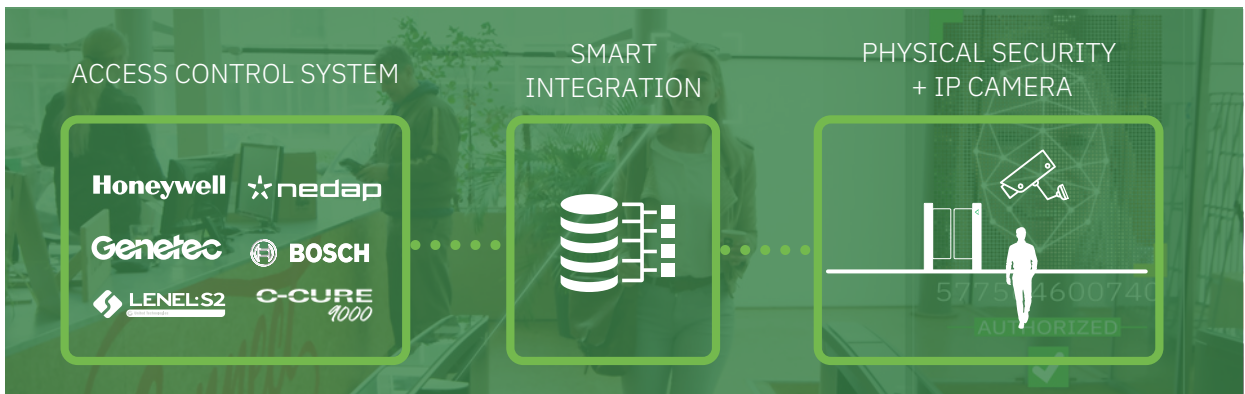- Pleasant and touchless user experience

SUGGESTED SEGMENTS

- Data centres
- Corporate offices
- Multi-storey tenant buildings
- Medical and pharmaceutical facilities
- Schools, universities and colleges
- Sports facilities
- Distribution centres
- Critical infrastructure
- Financial institutions

THE FASTEST AND MOST ACCURATE SYSTEM IN THE INDUSTRY

Oosto's Liveness technology ensures that every detected face is a real person by identifying spatial inconsistency and using an array of sensors that create a 3D map to eliminate spoofing. This ensures that neither prints nor digital images can fool the system.

Any potential bottlenecks can be effectively managed by improving entry flow at these points. Users are identified 2 - 3 metres away from the speed gate via the high-resolution camera, meaning that by the time they reach the entry - they have already been analysed and authorised to enter instantly. The technology eliminates the need to touch any surface on entry and authorisation.

Oosto's neural nets are trained in the toughest conditions on low-quality images and have been tested by the most demanding users to ensure the highest accuracy in real-world conditions. An added advantage for user experience and speed is that there is no need to remove personal protective equipment, as the technology is proven to be accurate under these conditions.

SMART ACCESS CONTROL INTEGRATION

The Lifeline Speedlane Vision comes, as standard, with pre-built integrations to leading access control vendors and with open APIs that support integration to any system.

Integrations with access control systems provide for the convenient and easy importing of personnel lists and trigger the door controller to open an entry point with our without a dry contact or Wiegand protocol.

This security entrance can be quickly deployed at scale and is designed to seamlessly integrate with your current access control system - saving you time, money and frustration.
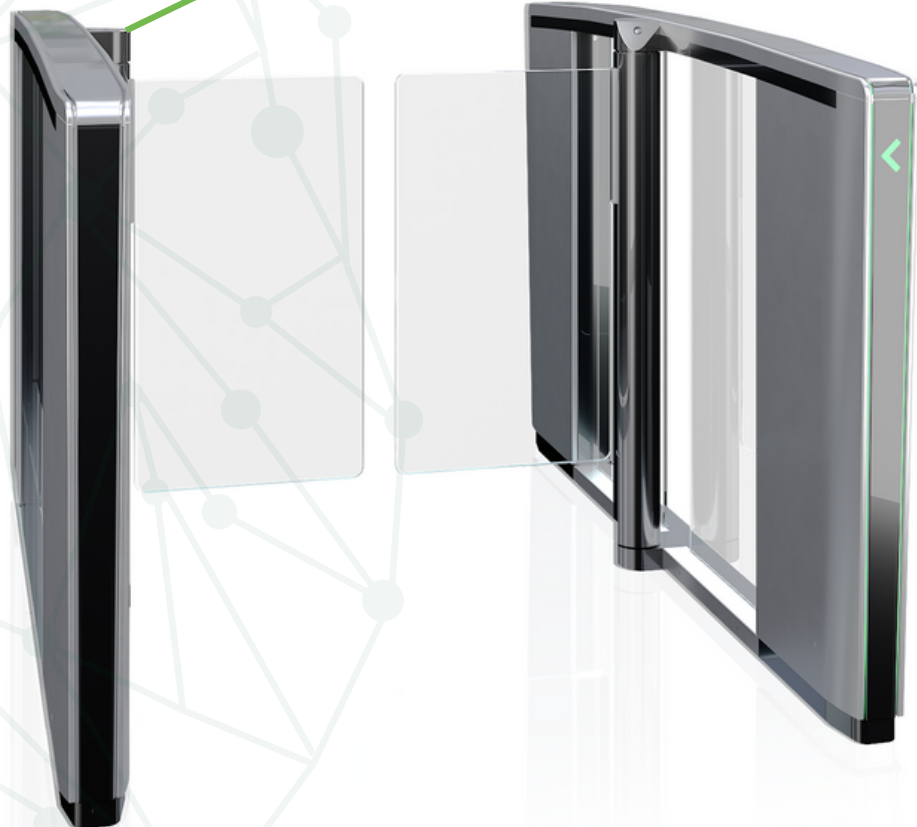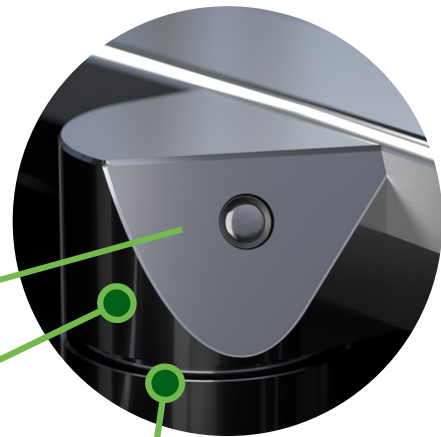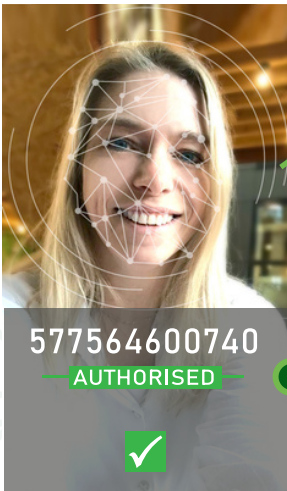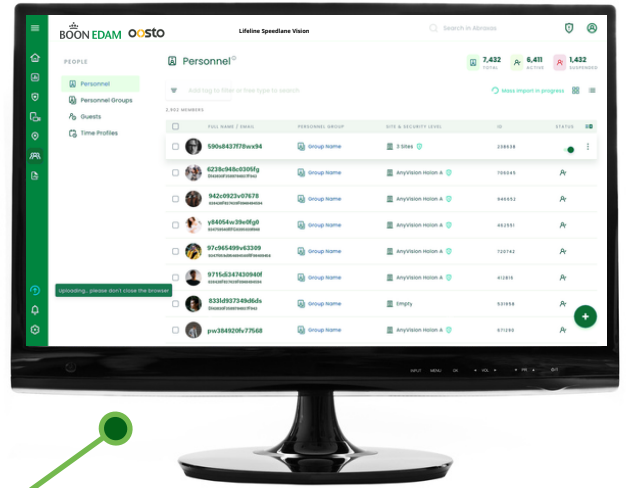
EASY-TO-CUSTOMISE ALERTS

The Lifeline Speedlane Vision makes available an interactive dashboard that can be integrated with your access control system to instantly generate alerts when an unauthorised person attempts to enter or spoof the system, or when someone tries to enter without wearing a mask.

The dashboard can be used to organise the people on your notification lists and configure by group, location and time.
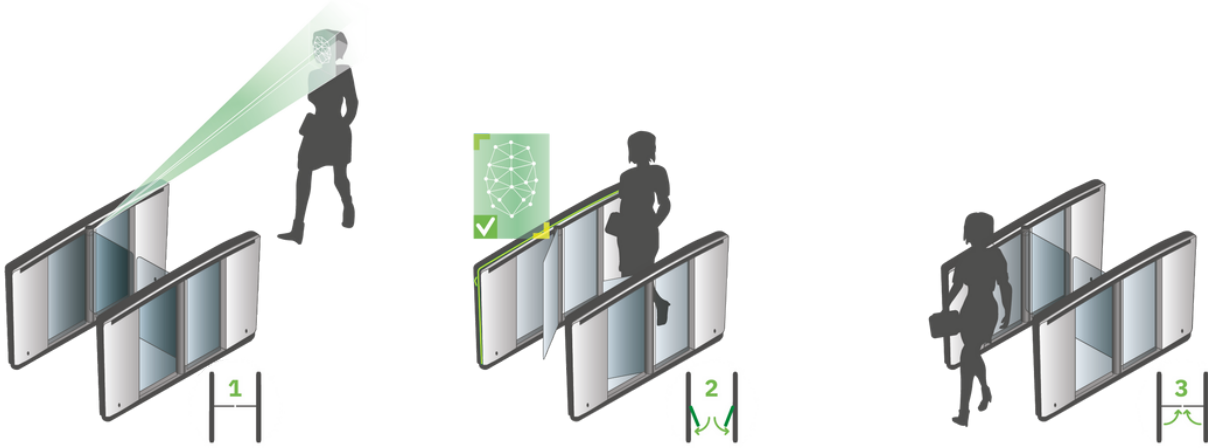
TRUSTED AND
SEAMLESS.

Top performing organisations use the Lifeline Speedlane Vision's AI-driven computer vision to improve the customer experience while enhancing safety and security. Oosto's trusted recognition technology is fully integrated into our industry-leading touchless access control speed gate - combining automated watchlist alerting and remote authentication capabilities that perform with unrivalled accuracy, speed and efficiency in the most challenging conditions.
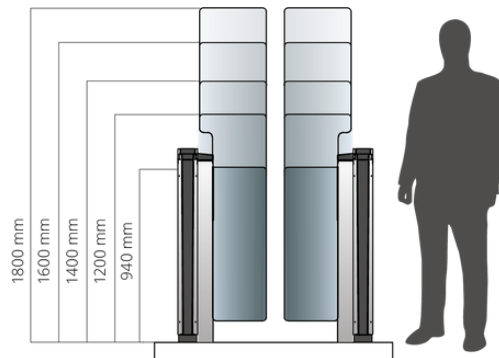

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TECHNICAL SPECIFICATIONS

LEVEL UP +

THROUGHPUT	STANDARD	LEVEL UP OPTIONS
Throughput	20 - 30 People per minute	
Cabinet Width	106 mm	
Cabinet Height	1035 mm	
Cabinet Length	1776 mm	
Passage Width	615 mm	Wide: 915 mm
Overall Lane Width	977 mm (for a single lane)	Wide: 1277 mm (for a single lane)
Wing / Barrier Height	940 mm	High options available

SECURITY	STANDARD	LEVEL UP OPTIONS
Unauthorised User Detection	Standard sensor set	Extra Jump-over detection
Booking Signal	Adjustable booking signal	
Sound Alarm	Standard buzzer	Sound module
Tailgating Detection	Standard Range	Tailgate+

SAFETY	STANDARD	LEVEL UP OPTIONS
Fail Safe Operation	In case of power outage	
Fire Alarm Connection	Emergency egress settings depending on local regulations and or customer request	
Safety Sensors	Standard	Area / range can be fine-tuned

AESTHETICS	STANDARD	LEVEL UP OPTIONS
Cabinet Material	Stainless steel	
Cabinet Colour	Standard stainless steel	Other Colours: On special request
		Branding: On special request

TECHNOLOGY	STANDARD	LEVEL UP OPTIONS
Power Supply	110-240 VAC, 50 / 60 Hz	**INTEGRATION OPPORTUNITIES:**
Operating Power	80W	• Lifeline Boost Mount (3 options)
Operating Temperature	-15°C to +50°C	• Top Mount (universal mounting plate) • Universal Elevator Destination Display (max. 8 elevators)
Weight	100 Kg	• Schindler PORT 4 mini
Access Control Systems	Dry contacts for virtually any access control device	• BoonTouch External Control Panel (up to 6 lanes)
Card Reader Mount	Under the top of the cabinet. Max. dimensions: 55 x 130 x 50 mm	

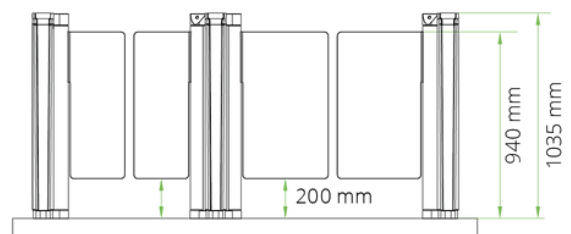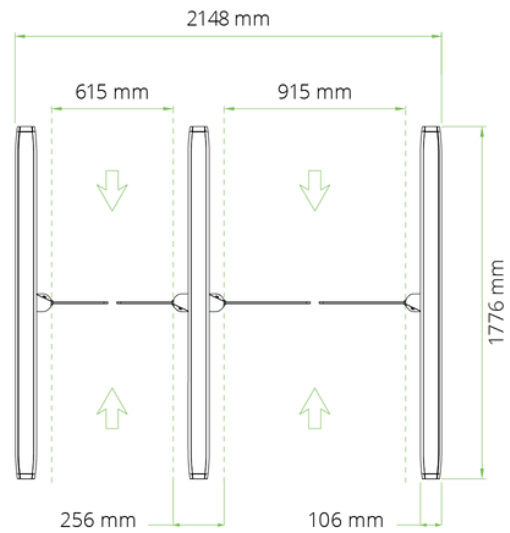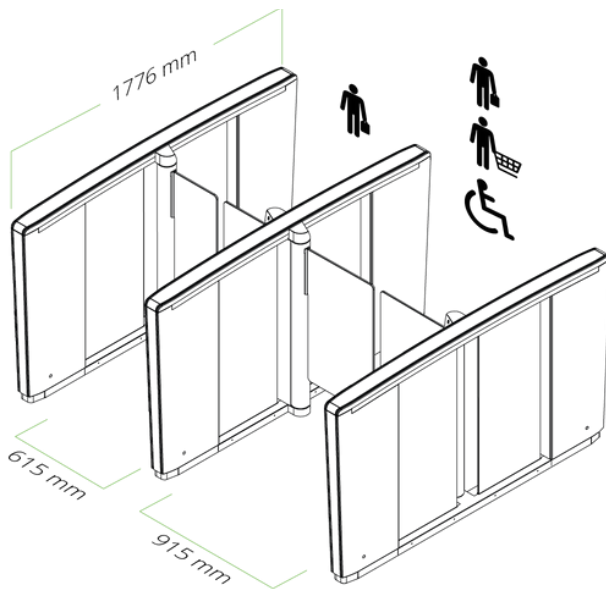| COMFORT	STANDARD	LEVEL UP OPTIONS
Disabled Access	Wide passage width option suitable for disabled access	Winglock Swing access gate Passage width 915 mm
Intuition	Approach sensors, Feedback signals Lifeline LED guidance	
Stand-by Power Consumption	Stationary 50W, Sleep Mode 40W	

WORKING PRINCIPLE

1   2   3

OPTION FOR HIGH GLASS

1800 mm
1600 mm
1400 mm
1200 mm
940 mm

TECHNICAL DIMENSIONS

1776 mm

615 mm

915 mm

2148 mm

615 mm   915 mm

1776 mm

256 mm   106 mm

940 mm   1035 mm

200 mm

SOFTWARE SYSTEM TECHNICAL SPECIFICATIONS

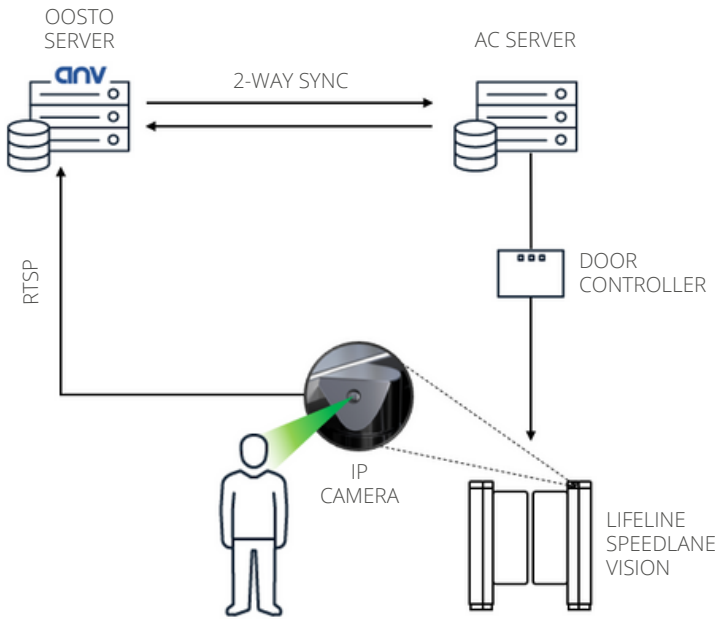| SYSTEM		PERFORMANCE AND LIMITATIONS	
Architecture		On Premise	
		In the cloud (Google, Azure, AWS)	
INTEGRATIONS			
Access Control System Integration		Automatically syncs reference picture, card information and basic info to server	
DETECTIONS			
Capabilities	Face	Speed	0.43ms per 1000 faces
Accuracy	Up to 99.99%	Minimum Face Size	Minimum 60 x 60 mm
RECOGNITIONS			
Capabilities	Face	Recognition	1:N
Accuracy	Up to 99.99%	RE-ID Speed	0.2 ms
DATABASE			
Database Size		Up to 350k people	

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8 SOFTWARE ONLY ARCHITECTURE

This type of integration has the ability to import and export an entire personnel list and / or personnel groups from / to an existing access control system and unlock a door without the need for a third-party device.

Currently supported with market-leading access control systems:
- Bosch BIS V4.7
- Honeywell Prowatch V4.35 & V4.5
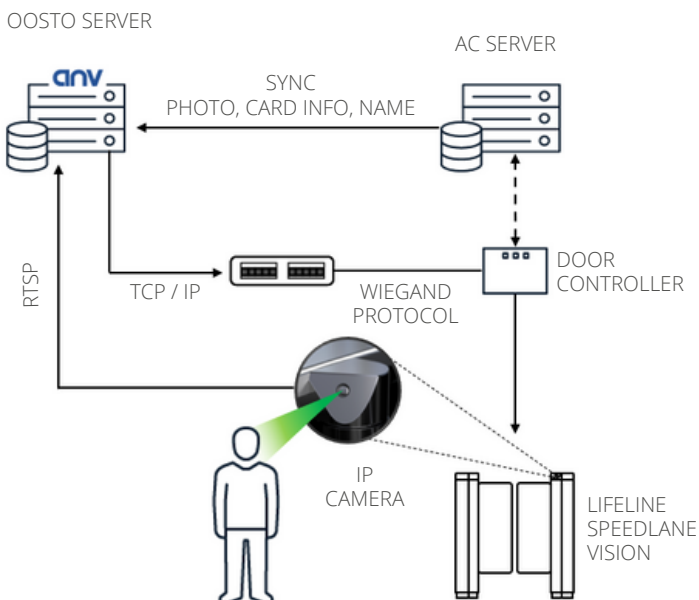- CCure 9000 V2.7 & V2.8
- Genetec Security Center V5.9

WITH A WEIGAND CONVERTER

This integration choice provides the ability to import an entire personnel list from an existing access control system and use it to trigger the door controller using a dry contact or Wiegand protocol.

Currently supporting light integrations with:
- Genetec Security Center V5.7 & V5.8
- Lenel OnGuard V7.6
- NEDAP AEOS 2019.1

SERVICE AND SUPPORT

With hundreds of thousands of visitors passing through an entry every day, continued and reliable operation is vital. Regular service and maintenance can prevent unexpected hardware breakdowns. Boon Edam's service and maintenance teams across the world are experienced in the effects the local conditions have on the wear and tear of your entry solutions and can offer specialised service and maintenance contracts that correspond to those conditions perfectly.

SOFTWARE LICENCES

Boon Edam provides software licenses for the Oosto software solution. There are multiple licensing options available. Please reach out to your local Boon Edam entry expert for more information.

COMPLIANCE AND GDPR

The goal of an organisation is to safeguard the valuable assets inside – both people and property. Industries must comply with relevant local and global laws, policies and regulations, to achieve the important goal of overall safety and security.

The Oosto software solution used for the Lifeline Speedlane Vision was engineered with privacy in mind and comes standard with features that protect the privacy and data of all subjects who interact with the system. For example, the images of faces of non-enrolled individuals will not be stored and saved on the service. This ensures that no personal data is necessary.

Only mathematical codes are stored in the database, not the actual images of faces. The data from the face is used solely for assessing whether or not authorisation is given. Thereafter, the data will not be stored. A "Face Blur" option ensures that what can be seen in the software system is blurred for the users of the system, making people on-screen unrecognisable. When using this mode it is also not possible to generate reports on who entered and at what time.

The Lifeline Speedlane Vision complies with the following European standards:
- Machine Directive (2006/42/EC)
- EMC Directive (2004/108/EC)
- RoHS Directive (2011/65/EU)

OUR REACH
IS GLOBAL.

We have been in business for 150 years, manufacturing premium aesthetic and security entrance solutions in The Netherlands, the United States of America and China. We can confidently say that we cover every corner of the globe with subsidiary companies in major cities across the globe. Furthermore our global export division not only partner with our distributors, but also offer direct sales and service to every territory. This wide net allows us to have a strong global footprint and a personal grasp of local markets and their unique entry requirements.

To find your closest Boon Edam expert, please go to:
www.boonedam.co.uk/contact

oosto

Oosto is a world-leading visual AI platform company that enterprises across the globe use to create safe, seamless experiences in their physical spaces. Proven to operate with the highest accuracy in real-time and real-world scenarios, Oosto harnesses its cutting-edge research and powerful technology platform to make the world a safer, more intuitive and more connected place.

For more information, please contact us at:
info@oosto.com

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