

A detailed architectural rendering of a modern airport terminal building, shown in a light, semi-transparent style. The rendering includes multiple levels with glass railings, escalators, baggage claim carousels, and various interior spaces like a cafe and waiting areas. People are depicted walking through the terminal. Outside, there are trees, a road with a tram, and a car.

 **SENSING SOLUTIONS**
for automatic applications



3

Who We Are



4

Our Expertise



5

Technology



6

Where To Find Our Solutions



8

Partnership



10

Keep In Touch



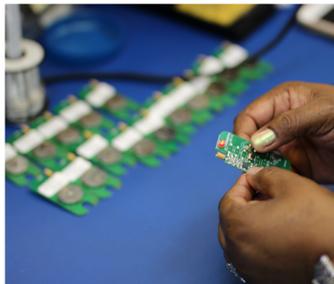
WHO WE ARE

At BEA Americas, our team is inspired and empowered to provide advanced sensor solutions that help to grow a safe and convenient automated world.

BEA is a world leader in developing sensors for the safety and activation of automated systems, including pedestrian and industrial automatic doors, vehicle gates and barriers, transportation systems, security access control, and retail sensing applications.

Halma

Since 2002, BEA has been a part of Halma, a global holding company headquartered in the United Kingdom. Halma-owned companies produce products and services for markets related to health, safety and environmental safety. BEA operates within the Infrastructure Safety Division of HALMA plc.



OUR EXPERTISE

Our sensors improve activation, safety and accessibility while streamlining pedestrian and vehicular flow in applications worldwide.

- Meet & exceed standards to promote safe and accessible environments
- Recuperate waiting times and increase production for continuous lean improvement
- Create efficiency in high-traffic areas by enabling automation
- Record and analyze pedestrian or vehicle traffic flow to ensure space is maximized
- Manage accessibility within secure areas



ACTIVATION



PRESENCE



CONNECTIVITY

SAFETY



COUNTING



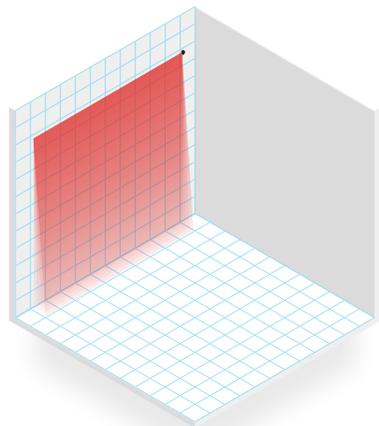
RAW DATA



TECHNOLOGY

For more than 50 years, our engineers have been researching, developing and integrating the latest technologies into our products to create diverse sensing solutions.

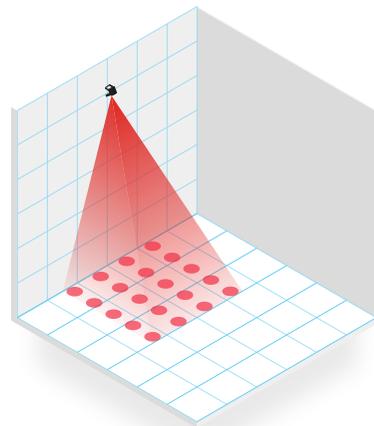
Our Research & Development teams are committed to integrating the latest technologies that exceed customers' needs while streamlining activation, safety and analysis across a broad range of segments.



LASER

LASER technology works according to the principle of time of flight. The sensor sends an intense light impulse in a defined direction and measures the time until the signal returns.

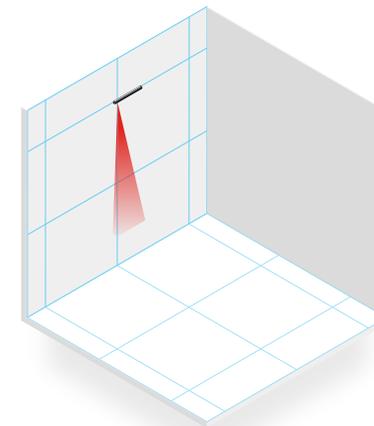
As a result, and by sending multiple beams in multiple directions (2D or 3D), the sensor is capable of knowing the exact position of any object in its detection area at any given time.



ACTIVE INFRARED
with background analysis

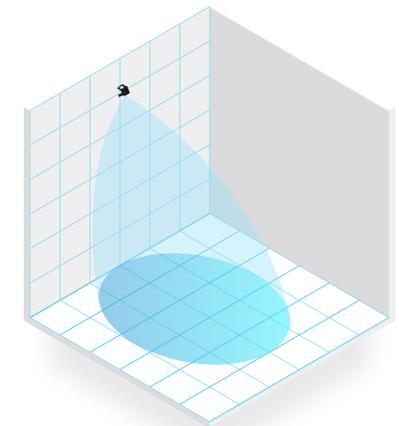
An active infrared sensor is, by definition, a sensor that emits infrared light in a well-defined area and analyzes the reflections that come back.

Background analysis always works with a background (e.g. a sensor shines infrared light on the floor). Detection is triggered if there is any significant difference when compared to the original picture.



ACTIVE INFRARED
with background suppression

Background suppression works on the principle of triangulation. The sensor calculates the distance to an object by evaluating the distance between the emitter and receiver. By knowing the three points of measurement, the sensor creates a triangle detection field.



RADAR

Radar technology, also called microwave technology, is based on the Doppler Effect: the radar sensor continuously emits microwaves with a certain frequency in a defined area. These microwaves are reflected back to the sensor by all of the objects present in its environment.

The microwaves bounce back with a different frequency only when there is movement in the detection field. Resulting in detection.

WHERE TO FIND OUR SOLUTIONS

BEA designs and manufactures sensing solutions for automatic systems in pedestrian and industrial environments.

We help facilitate people's access to public buildings, optimize traffic flow in warehouses, protect vehicles in parking lots, count visitors in shopping malls, improve platform safety in stations, secure artwork in museums and much more...



SECURITY & ACCESS SOLUTIONS



VEHICLE SENSING SOLUTIONS



INDUSTRIAL AUTOMATION SOLUTIONS



PEOPLE COUNTING SOLUTIONS



PEDESTRIAN SENSING SOLUTIONS



PUBLIC TRANSPORTATION SOLUTIONS





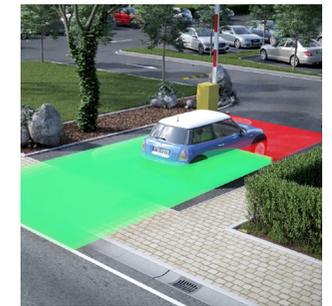
THE RIGHT SOLUTION

FOR EVERY APPLICATION

Our goal is to develop sensing solutions that make everyday life easier for you, your customers and all users across a wide variety of applications.



1



2



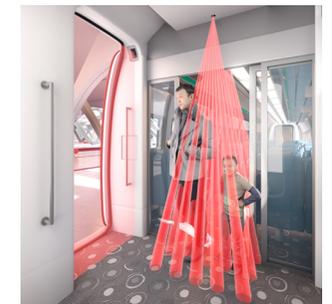
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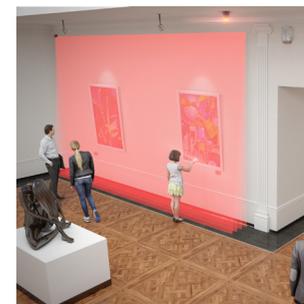
4



5



6



7



8

1. Sliding Doors
2. Barriers
3. Swing Doors
4. Knowing Act Devices

5. Industrial Doors
6. Train Doors
7. Artwork Protection
8. People Counting

What is **your** application ?



BECAUSE YOU HAVE AN EYE FOR DETAIL

Your attention to detail drives our complete process. From the development stage to after-sales service, our Product Management and Research & Development teams collaborate to provide you with the right solution.

Our production staff assembles all the components with precision, and our Technical Support and Customer Service teams assist with your specific needs every day.

WE BUILD

RELATIONSHIPS

Our Sales, Customer Service and Technical Support team members are always available to work closely with you. We believe a strong partnership with open communication is the driving force behind success.

Along with support from our team members, our goal is to develop easy-to-use products. We want you to feel comfortable during every step of the process, so intuitive and “plug & play” installation is essential. Because we know how important it is to save valuable time.

For additional guidance, we host in-house training sessions and record online tutorials to help you become an expert.





KEEP IN TOUCH

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|---------------------|--|---|
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NEWSLETTERS
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GROWING A
SAFE AUTOMATED WORLD
CREATING PEACE OF MIND
FOR EVERYONE, EVERYWHERE

