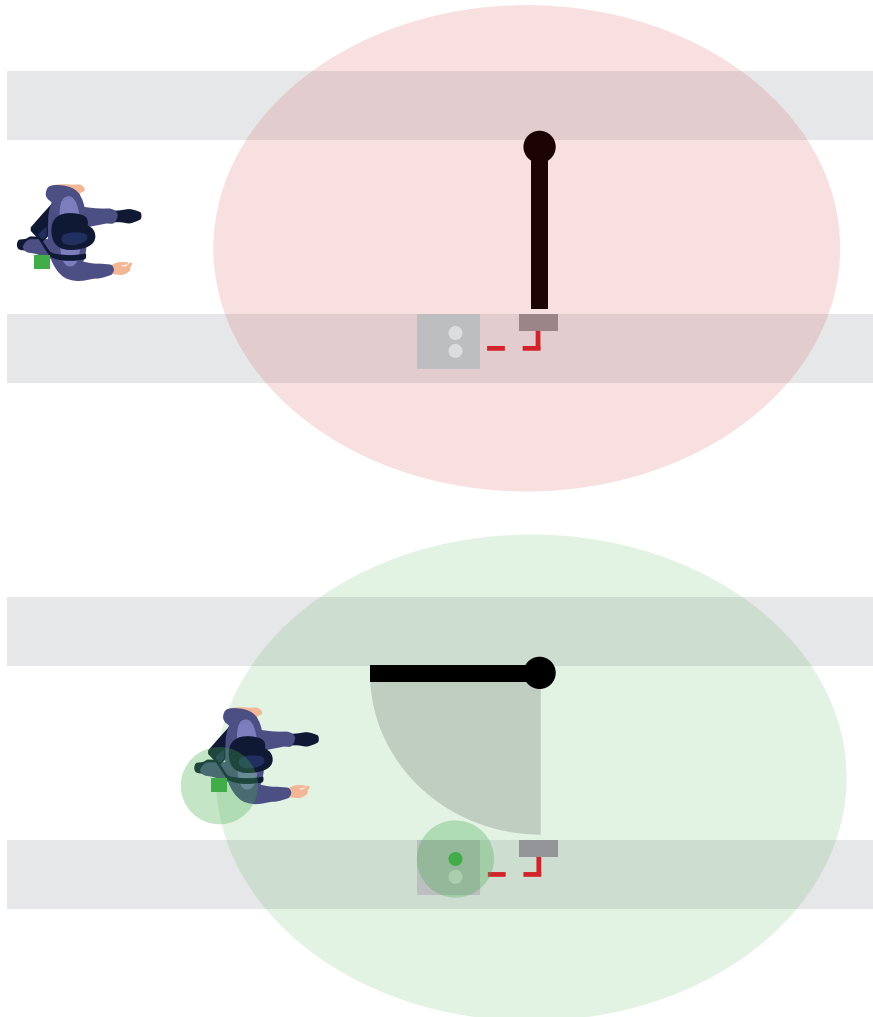




## Gate Access System (GAS)

# Gate Access – Functionality



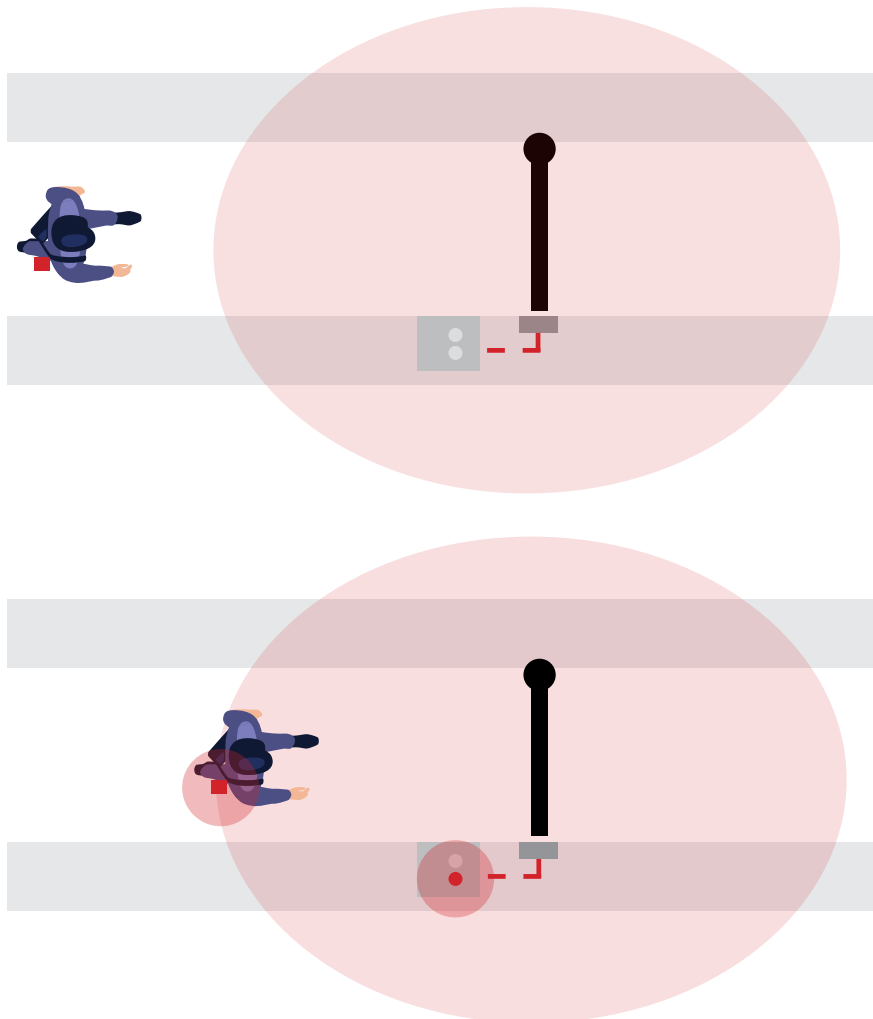
## System Components:

- All pedestrians are wearing Pedestrian Tags (T-10R).
- AV-50 Control Box is installed as close as possible to the security access gate.
- An electromagnetic latch is connected to the security access gate and the Control Box.

## Main Operating Characteristics:

- Gates are locked on pedestrian approach.
- When a pedestrian enters the detection zone, the Pedestrian Tag is detected by the Control Box, indicated by a green light. This unlocks the access gate.
- Control Box should be installed close to the access gate to help balance Tag detection on either side.
- Detection range is adjustable to suit application.

# Gate Access – Functionality



## Warning: Pedestrian Tag – Low Power

- If a Pedestrian Tag is on low power (flashing red) the Control Box will alarm (red light) and will **not allow** access gate to open. Pedestrian Tag will need to be recharged to resume functionality.



# Specifications

<b>Frequency Range</b>	2.400 to 2.4835GHz ISM
<b>Max. Potency Mode TX</b>	0dBm
<b>2° and 3° Harmonics</b>	-56/-60dBm (Typ.)
<b>Sensitivity Mode RX (PER=1%)</b>	-92dBm
<b>Adjacent Channel Rejection</b>	29dB
<b>Alternate Channel Selectivity</b>	53dB
<b>Antenna Gain</b>	2dBi
<b>RF Signal Average Distance</b>	15 metres (based on environment)
<b>LF Frequency Range</b>	21kHz ISM
<b>LF Signal Min/Max Distance</b>	0.5m / 6.5m
<b>MTTFd</b>	≤19 years
<b>Detection Response Time</b>	0.4sec

# Our Clientele.

## Australia



## Worldwide



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Damage Prevention and Safety Solutions

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May 2020

  
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