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Fully integrated system for social distancing and health risk monitoring and management



Proven GDPR compliant system assures employee privacy



Built on proven technology deployed across multiple sectors



Corporate control of devices and data with on demand daily allocation



Customisable for cohort working and barriered safe zones



Practical wrist worn monitor for simple, effective proximity detection

Helps businesses work safely and efficiently

A HAVwear watch provides users with SAFE-DISTANCE instant alerts to help them avoid being too close to colleagues. Docking stations gather and transmit data securely for next day automatic SAFE-DISTANCE reporting of social distance behaviour.

Add RASOR either in fixed locations or carried by a supervisor to gather live SAFE-DISTANCE data and have peace of mind that RASOR will also alert them to their own proximity to other HAVwear or RASOR users.

Intuitive Analytics

Data collected by HAVwear is automatically and securely transmitted to on-line data Analytics. Automatic e-mails and text messages will alert managers to any events of unsafe distancing. Reactec Analytics allows you to review the behaviour of all your employees including the number and duration of unsafe distancing events.

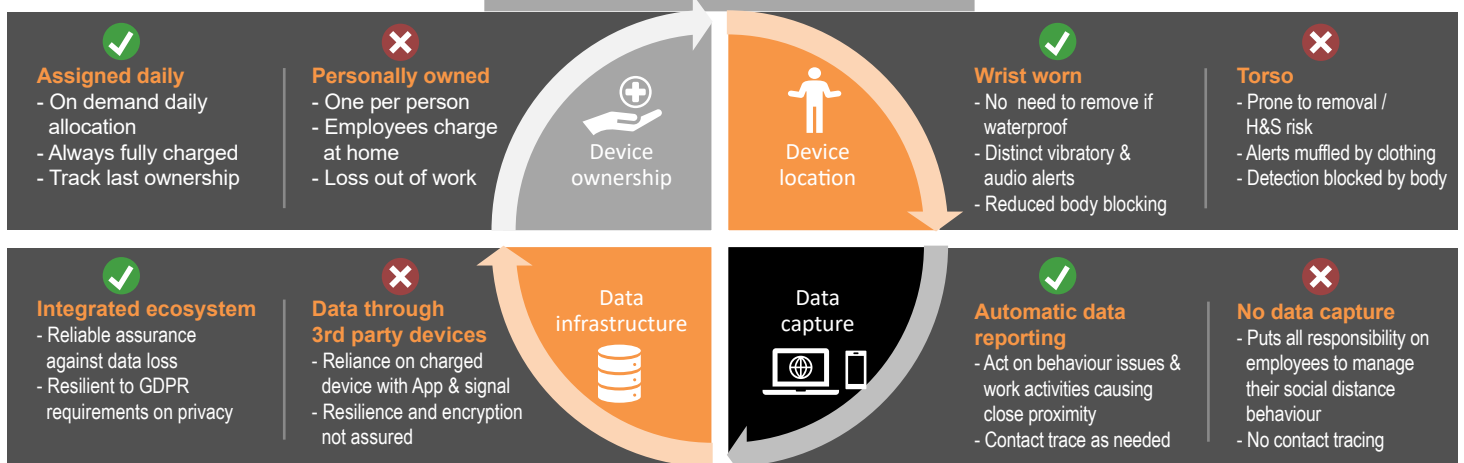
If contact tracing is required, use this data internally to review which workers might need to be managed in line with your isolation policies.



Example report detail

| Name | Days | Contact time (Mins) | | Contact | | |
|--------------|------|---------------------|---------|---------|----------|-----------|
| | | Total | Average | Short | Moderate | Sustained |
| David Hughes | 2 | 7.2 | 3.1 | 7 | 2 | |
| Mike Smith | 2 | 19.3 | 9.6 | 12 | 2 | 1 |

Ecosystem considerations



Features

Easy to deploy and use

Rechargeable HAVwear watches are personalised to the wearer on demand removing the need for reliance on long term ownership beyond a shift.

Actively Warns Workers

Maintain a wide detection arc between workers with vibrating and sound alerts when wearers are within an unsafe distance of each other.

Proactive alert and alarm system

The watch alerts the wearer when they are within an unsafe distance of other users. Alerts are escalated to respond to the longevity of remaining within an unsafe distance. Managers are automatically alerted, either next day for the simplest deployment, or live with the addition of RASOR.

Employee data privacy

Personal information is not shared on HAVwear and is securely stored in a GDPR compliant system hosted by Reactec.

Single enterprise solution

A single system for onsite and remote management of social distancing with analytics, fully hosted by Reactec, requiring only a browser and company managed login for access.

Multiple company support

SAFE-DISTANCE will inform contact tracing across multiple organisations on busy sites following GDPR and data protection best practice.

Proven technology

Reactec has developed SAFE-DISTANCE by repurposing HAVwear and RASOR to support social distancing in the workplace.

Over 70,000 individuals have used Reactec's wrist worn device for monitoring exposure to harmful vibrations, whilst over 16,000 users have securely accessed the on-line reporting system.

Users include many leading UK companies such as British Airways, Network Rail, Murphy Group, Morgan Sindall, Balfour Beatty, Costain, the Environment Agency, Siemens and Babcock. Reactec's technology is also in use across major infrastructure projects including HS2.

How SAFE-DISTANCE works

- 1 All users have their own wrist band and a Reactec ID card to sign out a HAVwear watch
- 2 The HAVwear watch uses BLE signals to determine when another HAVwear is too near. It emits a buzz and vibration which become longer with time until the wearer moves away from the other HAVwear user.
- 3 The HAVwear watch is returned to a docking station at the end of the shift. As a result, automated e-mail notifications of unsafe distance events will occur next day - by 3am.
- 4 A RASOR device can also be added to gather real-time data from HAVwear within the working day. RASOR gathers data from all HAVwear devices within a 40m range. A RASOR can be assigned to an individual or mounted at a fixed location in a charger. When assigned to an individual, RASOR will provide warnings to that individual when within an unsafe distance of other HAVwear or RASOR devices.



Technical information

Temperature Range Operating: -10°C to +35°C

Ingress protection to IP67

Battery Internal lithium ion polymer rechargeable battery

Typical life between charges 12 hours

Charge Time from fully discharged to 100% = 3 hrs

How SAFE-DISTANCE determines proximity

SAFE-DISTANCE determines the proximity of wearers based on the signal strength of Bluetooth radio signals between each device within a vicinity. This provides a good indication when users are within 2m of each other as opposed to a measurement of their separation.

SAFE-DISTANCE's ability to detect proximity of wearers is less hampered by body blocking than that of torso worn devices or smart phone-based apps which may be carried in a pocket. A wrist worn device can benefit from hand/arm movement to allow for a wider arc of personal space monitoring. SAFE-DISTANCE also monitors the duration of proximity and is configured to avoid raising false alarms from colleagues being close for very short periods - such as briefly walking past each other.

Reactec wish to point out that SAFE-DISTANCE is a workplace solution – it cannot monitor social distancing off-site and cannot mitigate all risk but is an invaluable part of a workplace toolkit.