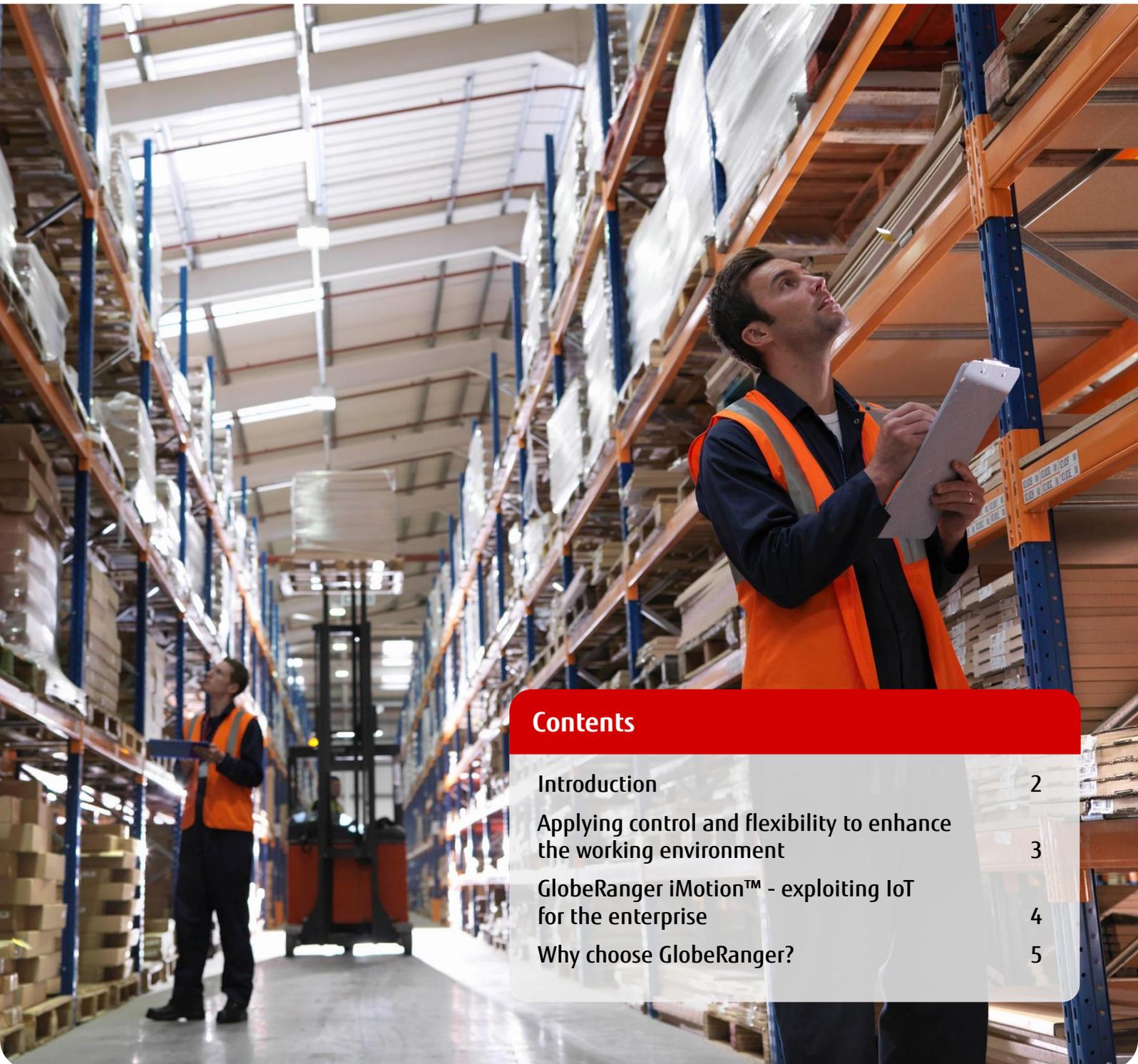


Personnel tracking improves workplace safety and mitigates operational risk



Contents

Introduction	2
Applying control and flexibility to enhance the working environment	3
GlobeRanger iMotion™ - exploiting IoT for the enterprise	4
Why choose GlobeRanger?	5

Organizations are obliged to provide their workforce with a safe, risk-free working environment. But as the size of the site and number of staff grows, so too does the challenge of ensuring your facility is safe, and that operational risks are managed effectively. Enabled by RFID and Bluetooth low-energy (BLE) technologies, automated personnel tracking tackles this issue by giving organizations the capability to reduce areas of employee concentration and track and trace individuals as they move throughout the workplace.



GlobeRanger's Personnel Tracking System is an integrated tracking solution that can monitor personnel in near real-time, enabling you to improve workplace safety, increase productivity, while tracking time, attendance and movements. The system allows you to easily define the specific site locations you want to monitor. By uploading floorplans and identifying the specific areas, floors and doors you want to monitor, you can quickly create zones of interest and track the movement of personnel through these areas.

Data is captured from a wide range of Automated Identification Technology (AIT) readers and sensors, like barcodes, RFID tags or BLE devices that can be associated with each individual. The solution is completely hardware independent and can implement readers and devices from any supplier to match the specific requirements of an asset. These sensors can be applied in a number of ways, including ID cards, wrist bands, clothing or protective equipment.

Parameters can be applied to individuals or areas of the site to monitor and control movement and access. This data can then be interrogated in a wide variety of ways:

- Look-up personnel by name or ID, and visually locate and track them on your floorplan.
- Develop reports that provide data filtered by location, date, time, individual, and more.
- Verify when an employee entered and exited specific areas.
- See how much time an employee stays in one area.
- Visualize employee movement paths throughout the working day.
- Track and trace individuals who have been in proximity with each other.
- Integrate with time and attendance systems for automated employee clock in/out.
- Provide alerts when employees access prohibited areas or exceed volume thresholds.



Applying control and flexibility to enhance the working environment

Armed with this insightful data, the solution can be deployed to apply varying degrees of controls throughout the working environment. As such, the solution is highly flexible in its uses with numerous applications to help improve site safety, increase employee productivity, refine working practices, or even enhance the working environment:

- **Reduce or eliminate congested areas**
By identifying how employees typically move throughout the site allows you to identify any particularly busy areas. Bottlenecks may often occur in or around employee entrance areas, cafeterias or break rooms, conference rooms and clock in/out locations. Identifying these areas allows provisions to be made to help reduce congestion, improve flow and maintain social distancing if required.
- **Track and trace**
Tracking the movements of individuals allows you to identify who has been in contact or proximity with each other, and when it occurred. So, in situations like the COVID-19 pandemic you are able to utilize track and trace to isolate any potential outbreaks while safeguarding your employees.
- **Catastrophic events**
When disaster strikes or a catastrophic event afflicts large scale manufacturing facilities, like refineries or chemical plants for instance, personnel tracking can be used to locate and rescue employees who may be unaccounted for.
- **Personnel and equipment association**
Applying parameters to individuals and specific items of equipment allows you to track and monitor when individuals are using certain items and whether this is permissible or authorized. Similar parameters can also be applied to areas of the site, and alerts issued when personnel gain access to unauthorized locations.

GlobeRanger iMotion™ - exploiting IoT for the enterprise

GlobeRanger's Personnel Tracking Solution is based on our iMotion IoT Enablement Platform which gathers, filters and processes data from a sophisticated network of devices and sensors located on assets throughout your organization. It then incorporates this data into existing management systems:

- Providing the crucial interface between your organization's assets and devices, and your day-to-day business processes and workplace safety practices.
- Enabling a real-time, holistic view of your business without the problems of a slow and complex integration.
- Rapidly develop, configure and deploy a solution that solves real business problems.
- Implemented quickly and efficiently, whether you require a small-scale pilot or a globally deployed solution.

Collecting near real-time data from a sophisticated network of connected devices provides the clarity you need to identify how to optimize processes, and drive workplace safety and efficiency improvements. GlobeRanger's iMotion IoT Platform provides the visibility you need to realize process optimization and deliver true business transformation. Armed with near real-time, accurate data and insightful analysis you can make fully informed decisions to exploit the power of data and transform your business. The result is a transformational improvement in operational efficiency, workforce productivity, workplace safety and risk mitigation.



GlobeRanger iMotion Personnel Tracking – at-a-glance

- » Combine the power of GlobeRanger IoT Enablement with the flexibility of Asset Tracking Solutions to track and trace the movement of employees in near real-time.
- » Enhance workplace safety and mitigate risk by understanding how personnel move through zones of interest, identifying areas of congestion or bottlenecks.
- » Apply parameters to individuals or areas of the site to monitor and control movement and access.
- » Built-in reporting by location or device lets you track and trace personnel interaction.
- » Quickly identify and isolate employees who have come in contact with known hazards.
- » Efficiently manage access to secure or restricted areas of the building - and monitor access to certain items of equipment.
- » Locate and rescue unaccounted for employees in the event of disaster.

Why choose GlobeRanger?

GlobeRanger IoT and Asset Tracking Solutions are flexible and scalable, and our end-to-end implementation service means you can start small and realize value early in the solution deployment. And being hardware independent, we match best-of-breed devices, sensors and RFID tags to your requirements.

GlobeRanger delivers rapid time-to-value. Our patented emulation technology allows us to architect, design and implement solutions in days or weeks. By focusing on our customer's specific needs and requirements we can create early wins that enable our customers to meet or exceed their business case and ROI expectations.



GlobeRanger – improving the visibility of our customer's operations since 1999

GlobeRanger was founded in 1999 to help organizations improve the visibility of their business operations. Using a combination of our technology platform and years of specialist experience, we simplify the development, deployment, and management of IoT technology and sensor-based solutions. Today, we are widely recognized as an industry leader in IoT Enablement and RFID-based Asset Tracking Solutions. As an end-to-end solution provider, we work with our customers across a broad range of industries to deliver the most reliable, scalable, and flexible enterprise edge solutions, at the lowest cost of ownership.

Our innovative approach was strengthened further in 2014 when GlobeRanger was acquired by Fujitsu. GlobeRanger's solid grounding in IoT Enablement and Asset Tracking

Solutions now benefits from the backing of one of the world's largest technology firms. Worldwide support and access to a \$1.6 billion annual R&D budget has helped us to retain our agility to move quickly and spearhead the latest industry developments.

Leveraging Fujitsu's global footprint and financial strength, Fujitsu and GlobeRanger collaborate to bring best-in-class solutions for industrial IoT and manufacturing, distribution and logistics, aviation, defense and many other industries. The combination of Fujitsu's financial strength and industry knowledge combined with GlobeRanger's IoT and RFID expertise bring our customers the high value, low risk solutions they need to transform their organizations

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