GLOBERANGER
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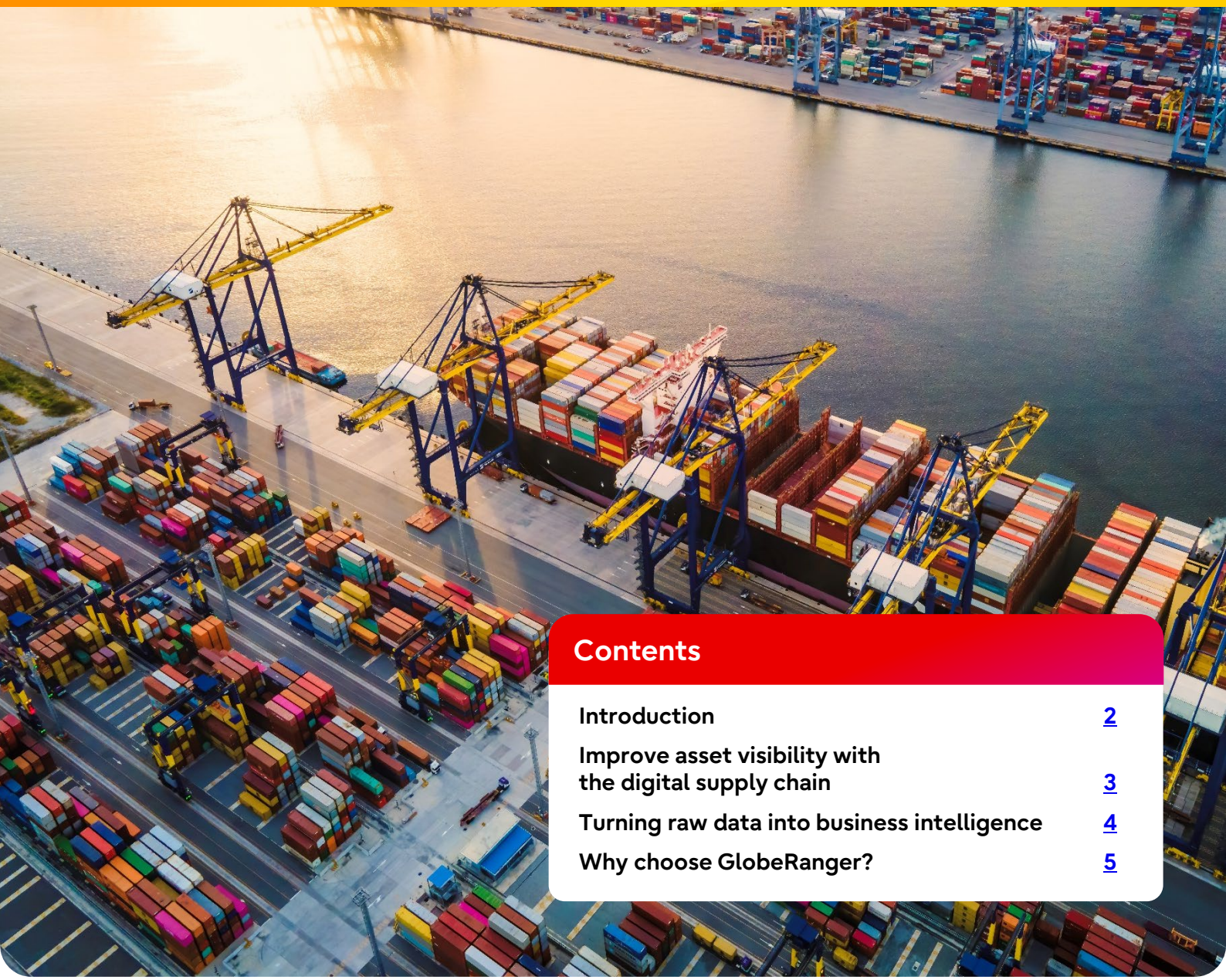
Implementing the digital supply chain for logistics operations

Delivering the 'V3' Advantage – Velocity, Visibility and Value



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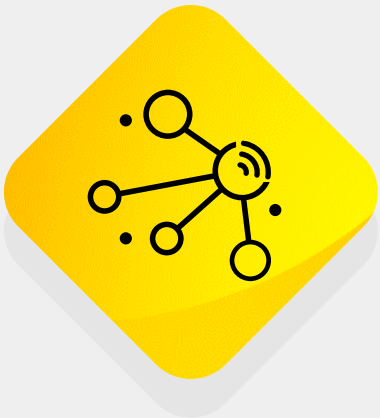
How the digital supply chain makes smart manufacturing and Industry 4.0 a reality today

Implementing a smart and connected **supply chain solution** allows you to establish a 360-degree view of your entire manufacturing operation - from the supply of raw materials, through to warehousing, and onwards to the distribution of the finished product. Such end-to-end supply chain intelligence empowers you to anticipate disruptions and make immediate adjustments as conditions change. By moving away from reactive problem-solving your workers are free to concentrate on service delivery and customer-focused outcomes.



But in an increasingly volatile environment, traditional **Supply Chain Management (SCM)** methods struggle to keep up – especially in a climate of cost-cutting and reduced resources. Manufacturers also need improved asset management solutions to locate parts, reduce losses, prove authenticity and optimise processes.

Improve asset visibility with the digital supply chain

GlobeRanger's **iMotion™** IoT enablement platform can help to improve the visibility of assets throughout the supply chain by managing data from multiple sources, including RFID tags, M2M devices, IoT (Internet of Things) enabled devices, ERP and other enterprise applications. iMotion™ helps optimise processes and eliminate redundant tasks, which significantly reduces lead times and labour costs for inspection, reporting, inventory management and other day-to-day logistics activities.

GlobeRanger offers a suite of **Automated Identification Technology (AIT)** solutions that manage and connect readers and sensors to enterprise applications, turning raw data into business intelligence automatically without the need for changes to your current SCM system. GlobeRanger's digital supply chain solutions are capable of providing you with an end-to-end view of both inbound and outbound transactions throughout your supply chain, delivering a multitude of benefits including:

- Reduced supply chain complexity
- Improved efficiency
- Detection of wastage, leading to cost savings
- Identification and alerting of faults for swift reaction and response
- Actionable insight into customer behaviour and preferences
- Smarter decision making
- Event-driven maintenance for better performance and cost efficiencies
- Improved deployment of employees and other resources

Powered by GlobeRanger's iMotion™ technology platform, GlobeRanger's Distribution-Logistics solutions can deliver near real-time insights into supply chains and product distribution across many industries including manufacturing, aviation, construction, healthcare and defence. With the ability to automatically identify and track items through manufacturing processes, supply chains and maintenance pipelines, organisations can reduce errors that lead to increased costs.

Turning raw data into business intelligence

AIT readers and sensors capture high volumes of raw data that is only useful when correctly interpreted and translated into appropriate business intelligence. GlobeRanger solutions enable this by:

- Managing AIT readers, sensors and other IoT devices, and monitoring them to ensure they are operational and functioning properly.
- Capturing, aggregating and filtering the data passed on to the back-end systems so that the data becomes coherent and useful information to operational systems and analytics.
- Assessing the raw observations captured by readers and sensors and alerting when the data exceeds business rules or established thresholds enabling rapid operational response and appropriate actions.

GlobeRanger's highly configurable iMotion™ platform lets you choose what data will be communicated back to your host systems for analysis and archiving. iMotion™ gathers, filters and processes data from this sophisticated network of devices and sensors located on assets throughout your organisation's value chain. Flexible data collection and processing at the edge allows organisations to filter input so they can manage by exception and receive near real-time notification when user-determined thresholds are neared or breached.

Your business rules determine what you want to monitor, what data you receive, when it should be reported and the automated responses and alerts the system should make. Having actionable information can make the difference between planned and unplanned downtime, and associated costs.

GlobeRanger delivers unprecedented levels of supply chain visibility. Waste can be reduced, or even eliminated, and bottlenecks easily identified. Potential applications for logistics and distribution operations include:

- Asset and personnel tracking
- Inventory receiving and put-away
- Product shipping and distribution management
- Environmental monitoring (temperature, humidity, shock, vibration, etc.)
- Provenance and counterfeit protection

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GlobeRanger simplifies and speeds up the development, deployment and management of Asset Tracking Solutions to connect organisations to the Internet of Things in weeks, even days.

Our story from pioneer of Automated Identification Technologies in 1999 to market leader in IoT-enabled Asset Tracking, Management and Decision-making Solutions today has at its heart a simple but proven principle.

The digital evolution of our customers' organisations doesn't have to be complex, time-consuming, risky or costly – it simply starts with knowing where their assets are.

Using our proprietary iMotion™ platform and suite of applications, we choose best-of-breed devices, sensors and RFID tags and draw on our global experts to connect our customers' physical assets to their digital systems.

Then we help them turn their organisations into flexible, scalable and reliable connected ecosystems that deliver unexpected value.

In the short term, our focus is on early wins to meet their business case and ROI targets. In the longer term, our aim is to help them evolve in a carefully structured risk, cost- and time-managed way to take their share of the fast-growing IoT market, estimated to be worth $25 trillion by 2025.

Today that means delivering to our customers real-time visibility of their assets, more efficient end-to-end operations, optimisation of their processes, and proven accountability.

Tomorrow, that means enabling deeper organisational insight through asset data collection and analysis, opportunity mapping to transform the organisation, faster connectivity by integrating 5G, automated decisioning by integrating AI and unalterable ESG reporting by integrating blockchain.

After all, with the backing of Fujitsu, one of the world's largest technology groups, GlobeRanger has the financial strength, worldwide support and access to a $1.6 billion a year R&D budget we need to invent the future of your connected organisation, every day.

Welcome to your digital evolution

To find out where to start, and where your connected business can take you, visit GlobeRanger.com

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