



# Data integration to enable integrated support



Dynamic support chain visibility delivers pinpoint accuracy with data-driven insight.

## Translating data into actionable intelligence

Within the Defence sector, military and intelligence organisations are faced with multiple, fragmented, and unintegrated data sources which result in ineffective decision making. Coupled with the exponential growth in both the volume and complexity of operational data, this is making it harder than ever to generate accurate logistics information and inform evidence-based decision making.

Huge volumes and varieties of data are available for analysis. But knowing what sources to interrogate and how to process the data quickly and accurately, is a critical challenge for military decision-makers as they strive to deliver Digitally Modernising Logistics and Support Business. A critical aspect underpinning this digital change programme is the urgency to modernise the support business through more effective use of data.

**Fujitsu has developed the specific capability for military organisations to accurately reconcile numerous systems**

## **Enabling a single, trusted view of your entire support chain network**

Achieving a single, trusted view of your available assets is a huge challenge, given the complexities involved in military support chains. Delivering comprehensive and effective end-to-end visibility depends on the timeliness and quality of data. It also relies upon how this data is appropriately shared between stakeholders, with unambiguous performance measurement and diagnostics.

So, while each stakeholder will have a clear view of assets in their own domain, a trusted and incontestable end-to-end view of status and performance is still needed for support chain partners to deliver their objectives. In such arrangements, trust and confidence in the support chain data is paramount if risk premiums are to be reduced and valuable management time is not to be diverted to reconciling performance inconsistencies or managing the contract.

## **Delivering a single, coherent view of information**

Recognising this problem, Fujitsu has developed the specific capability for military organisations to accurately reconcile numerous systems used for managing their financial and asset-based information. The solution can take data feeds from a wide array of sources and formats, and reconcile this data into a single, central repository. Large volumes of data can be stored within this repository ensuring data across each accounting period is available persistently, making data processing and analysis much easier while enabling much more valuable data-driven insight.

This combined view delivers a single, coherent assessment of the information being reported and enables subsequent analysis to drive business intelligence and improve future procurement decisions. The whole process takes a fraction of the time than it did previously, and at a fraction of the cost.

Fujitsu's end-to-end support chain visibility solution protects any existing investments in ICT infrastructure as changes to legacy systems are not required. The software platform seamlessly integrates existing and new technologies, preserving past investments while enabling new-edge applications. Meanwhile, automated, real-time data capture addresses data quality issues, ensuring error-free data that is shared with stakeholder systems right across the support chain – not just within an enterprise. The result is a single version of the truth, accessible and acceptable to all support chain stakeholders.

## Data-driven insight improves accuracy

But the real added-value comes from the solution's capability for users to identify, develop and apply business rules that seek out patterns in the reconciled data. The identification of these common patterns and the capability to apply rules that take these into account every month via journals in the general ledger allows the rules to be applied automatically. This helps significantly to improve the accuracy of the reconciliation, dramatically reducing the variance between inventory systems and the general ledger.

This level of automation, and the ongoing data-driven insight allows subsequent patterns to be identified and business rules to be applied accordingly, further improving accuracy of the reconciliation.

The net result is that the time spent by accountants doing the actual reconciliation is dramatically reduced. This allows them to spend much more value-added time on creating valuable insight into the best use of resources and the most cost-effective sources of procurement.

**A single, coherent assessment of the information being reported**

### Accurate and dynamic reconciliation of military assets and finances

Fujitsu has the capability for military organisations to accurately reconcile numerous systems used for managing their financial and asset-based information. The solution can take data feeds from a wide array of sources and formats, and can reconcile this data into a central repository, delivering:

#### Improved Accuracy

Users can identify, develop and apply business rules that seek out patterns in the reconciled data, significantly improving the accuracy of the reconciliation

#### Improved Speed

Identifying common patterns and applying rules that are applied every month via journals in the general ledger results in a much faster reconciliation

#### Improved Data Processing

Large volumes of data can be stored within a single, central repository ensuring data across each accounting period is available persistently, making data processing and analysis more effective

#### More Effective Use of Resources

Time spent by accountants on the actual reconciliation is greatly reduced, allowing them to spend much more value-added time on creating valuable insight

#### Improved Insight

Accurate, data-driven insight ensures common patterns and business rules are continually developed, further improving accuracy and ensuring the best use of resources and most cost-effective sources of procurement



## **GlobeRanger – Precision-based secure asset management and monitoring**

Fujitsu GlobeRanger iMotion™ IoT enablement and asset tracking platform has been specifically designed to enable an organisation's business processes and decision-making. Capturing and sharing error-free data and translating it into insightful information with context delivers near real-time intelligence that enables trusted and highly informed decision-making.

GlobeRanger automates data capture from a wide range of Automated Identification Technology (AIT) readers and sensors, like barcodes, RFID and NFC (near-field communication) tags or IoT devices that are associated with each individual asset. These tags are small, discrete, and can be applied to practically any small asset that is considered important enough to be tracked and traced. GlobeRanger enables precision-based, near real-time monitoring and secure management of assets, so you can be confident that every asset issued is in the hands of the correct person and can be accurately tracked and traced until it is returned.

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.



## Dynamic asset management, from factory to battlespace

Such dynamic asset management enabled by GlobeRanger is a key component in providing the end-to-end view of the military support chain, from the factory to the battlespace. Linking together trusted information relating to the material flow of assets as well as their maintenance and condition, enables both financial accounting and strategic planning decisions to be taken with confidence.

This dynamic approach to asset management not only provides information on condition monitoring and support, current location, and movement of traditional assets, but now also includes high-value living assets such as military personnel.

The end result is a lower cost of ownership of all military assets and resources throughout the support chain.

## Why Fujitsu in Defence & National Security?

Our world is being disrupted. But together with you, Fujitsu's ambition is to build a brighter, more sustainable future for us all.

We want to work together to navigate this digital disruption collaboratively, and explore solutions to the evolving threats we face today. Together, we can exploit technology that will drive high-impact improvement, transform our digital future, and help to make us more sustainable in every way.

We can do this by harnessing technologies such as AI, machine learning, digital twin, quantum, and high-performance computing. Our vision uses the power of everyone, bringing together our integration capabilities and knowledge in managed services with cognitive and advanced technologies that will drive your digital transformation. By elevating people higher up the value chain allows the smartest ideas to emerge to tackle tomorrow's big challenges today – whatever they may be.

With our technological inspiration and business vision from Japan, we touch the lives of millions of people around the world every day. For over 60 years, we've been working at the highest levels of security demanded by militaries, governments, and industry to ensure the UK's most critical infrastructure operates smoothly, 24/7.

We've continually had to adapt to a changing world, and we will keep evolving in the face of future threats. We are diverse, creative, talented, and different. And we are committed to building new possibilities for everyone. By connecting people, technology and ideas, we are making the world more sustainable by building trust in society through innovation.

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