

G-Cloud 15

Generate insights from IoT to optimise operations



Atos

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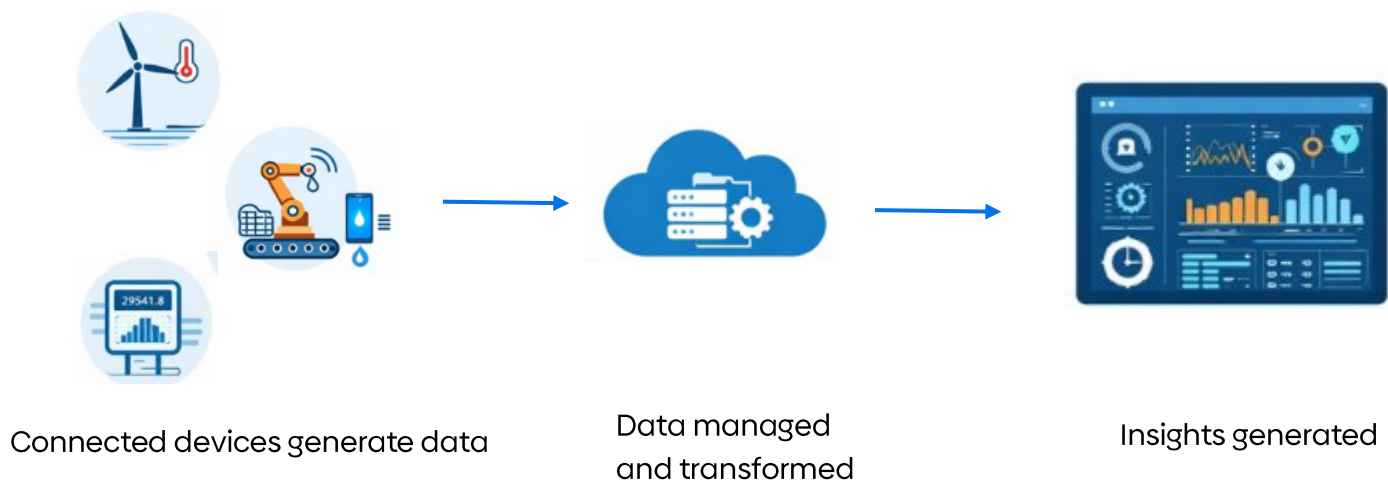
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1. What is Optimise data architecture and platform?

Generating insights from IoT to optimise operations is a service that helps organisations make effective use of data produced by connected assets, devices, and systems. While many organisations collect large volumes of IoT data, it is often siloed or viewed as technical output rather than used to inform operational decisions.

This offering supports organisations in turning IoT data into a dependable source of operational insight. It focuses on understanding what data is available, ensuring it can be captured and managed reliably, and applying analyses that provide clear visibility into performance, efficiency, and operational issues across the organisation.

The service is particularly suited to asset-intensive or time-critical environments, where unplanned downtime, delays, or inefficiencies directly impact costs and service delivery. By improving how they use IoT data, organisations can shift from reactive issue resolution to more proactive, informed operational management.





2. What does it deliver?

The service begins with a detailed understanding of the current operational and data environment. We review the existing IoT ecosystem, including connected assets, data flows, and supporting platforms, to establish what data is available and how it is currently used across operations.

In parallel, we engage with operational leaders and management teams to understand decision-making requirements, operational challenges, and priorities. This ensures the focus is on identifying data that supports meaningful oversight and improvement, rather than collecting data without a clear purpose.

This combined view of the technical landscape and business needs shapes the framework below, ensuring that analysis and reporting are aligned to operational priorities and management requirements.

Five-step framework



1. Collect IoT data

Relevant IoT data sources are identified across connected assets, sensors, and operational systems. The focus is on understanding what data is available, how it is generated, and which data points are most useful for improving operational performance.

2. Integrate and manage data

IoT data is ingested into the data environment and aligned with existing operational data where needed. Data management practices are applied to improve consistency, reliability, and access, ensuring data can be trusted and reused for analysis and reporting.

3. Analyse operational performance

Analytics are used to interpret IoT data and understand how assets and processes perform in real conditions. This includes identifying trends, inefficiencies, and early indicators of potential issues using both real-time and historical data.

4. Deliver insights through dashboards

Insights are presented through dashboards and reports aligned to agreed KPIs. These views are designed to support operational teams and management by providing timely visibility into performance and emerging risks.

5. Validate value and improve outcomes

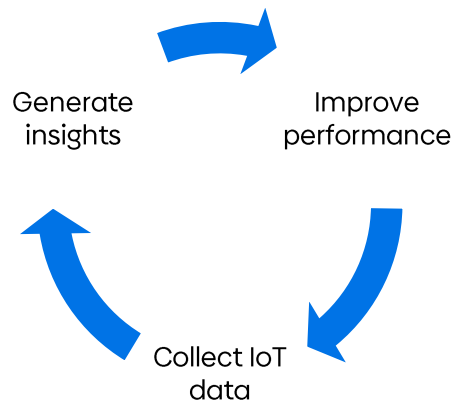
Insights are reviewed with stakeholders to confirm they reflect operational reality and support better decisions. Feedback is used to refine KPIs, improve reporting, and identify further opportunities for optimisation.

Driving operational improvement over time

The framework is designed to support continuous improvement rather than one-off analysis. As insights are generated and validated with operational teams, they inform changes to processes, maintenance approaches, and operational priorities.

Over time, this enables organisations to move from understanding what is happening to anticipating issues before they occur. Patterns identified through IoT data can be used to refine thresholds, improve asset utilisation, and reduce unplanned disruption. This ensures that insights remain relevant and evolve as operations, assets, and business needs change.

By embedding this approach into day-to-day operations, organisations are better positioned to sustain improvements, make informed trade-offs, and realise long-term value from their IoT investments.





3. What technology does it use?

Generating insights from IoT to optimise operations is technology-agnostic and designed to work with existing IoT and data platforms already in place within the organisation. The service does not require the introduction of specific vendors or tools. Instead, it focuses on using and improving the current technology landscape to support reliable insight.

IoT data is collected from connected assets, sensors, and operational systems and ingested into data platforms for storage and processing. These platforms support both near real-time and historical analysis, depending on operational needs. Data management capabilities are applied to improve data quality, consistency, and access, ensuring that insights are based on reliable information.

Analytics and visualisation technologies are used to interpret IoT data and present insights through dashboards and management views. These outputs are designed to support operational monitoring and performance review without requiring specialist technical knowledge.

Security and access controls are applied across the data lifecycle in line with organisational standards. This ensures operational data is protected and used appropriately while remaining accessible to authorised users. The technology approach is scalable, allowing additional data sources and use cases to be introduced over time without significant rework.



4. What terms apply?

To the fullest extent permitted under G-Cloud 15 Framework Agreement and the Call-Off Contract, Atos will provide the Services in accordance with the Atos Supplier Terms (which will include, but may not be limited to , the Supplier Acceptable Use Policy, Supplier Data Processing Agreement, Supplier Specific Shared Responsibility Model, Supplier SLAs and Supplier Licence Terms and any applicable Third-Party Terms outlined in this Service Description document and the Order Form) and this Service Description document.

For clarity:

- Atos Supplier Terms may be modified in accordance with the provisions of the Call-Off Contract, and remain effective except where expressly overridden.
- Hyperlinks included in the Atos Supplier Terms and Service Description document remain effective where they point to Atos' or the relevant Third-Party Terms or documents. Should a hyperlink cease to function, Atos will work with the client to update it through the agreed procedure.



5. Termination

Termination shall be in accordance with:

- The G-Cloud 15 Framework terms and conditions
- Any terms agreed within the Order Form of the relevant Call-Off Contract
- For this specific service, by default Atos ask for at least thirty (30) days prior written notice of termination without cause.

Atos commits to the continued provision of services for the duration of the Call-Off Contract subject to the terms and conditions of the G-Cloud 15 Framework Agreement, the Call-Off Contract, the Atos Supplier Terms and the applicable Third Party Agreements (as defined in the Atos Supplier Terms and indicated in the Order Form) related thereto.



6. How do I order?

Please contact our team at: gcloud@atos.net

- We will prepare a quotation for your review, including any applicable volume discounts.
- Once the quotation is agreed, we will issue the necessary documentation (as required by the G-Cloud Framework) and request a purchase order from you.
- Upon receipt of your purchase order, we will configure the services in line with the agreed requirements. Where applicable, you will also receive access to our self-service portal to begin provisioning services.
- If you are a new customer, you may need to complete additional 'new supplier' forms.
- Invoices will be issued to you and to Crown Commercial Service (CCS), quoting the purchase order number, for the services procured.
- We will also submit the required monthly management information reports to Government Procurement.



7. Glossary

Term	Definition
IoT	Internet of Things
KPI	Key Performance Indicator
SaaS	Software as a Service



8. Why Atos

Atos has been a trusted partner on every G-Cloud iteration since the framework began, helping public sector organisations modernise with confidence. We combine global expertise with deep UK experience, delivering secure, scalable cloud solutions that meet the highest government standards.

As Europe's leading provider of cloud and cybersecurity services, Atos offers end-to-end capabilities - from migration and hosting to SaaS and consultancy - supported by UK delivery centres and strategic partnerships with hyperscalers.

Our focus on innovation, sustainability, and social value ensures that customers not only achieve operational excellence but also contribute to a greener, fairer future. With Atos, you gain a proven partner committed to driving efficiency, resilience, and transformation across public service.



About Atos

Atos Group is a global leader in digital transformation with c. 67,000 employees and annual revenue of c. €10 billion, operating in 61 countries under two brands – Atos for services and Eviden for products. European number one in cybersecurity, cloud and high-performance computing, Atos Group is committed to a secure and decarbonized future and provides tailored AI-powered, end-to-end solutions for all industries. Atos Group is the brand under which Atos SE (Societas Europaea) operates. Atos SE is listed on Euronext Paris.

The purpose of Atos Group is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Learn more at: atos.net