

IoT and Edge Analytics for Smart Infrastructure

La Fosse Capability

Enabling real-time insight and predictive intelligence at the edge

La Fosse designs and delivers secure IoT and edge-analytics solutions that enable real-time monitoring and data-driven decision-making for physical assets and infrastructure. We support device onboarding, data ingestion and stream processing, and analytics visualisation. Our approach improves operational awareness, enables predictive maintenance and supports evidence-based planning while ensuring security and scalability.

Secure device integration

Onboarding and management of edge devices and sensors

Real-time data pipelines

Stream processing and event-driven analytics at scale

Operational insight

Dashboards and alerts for asset performance and health

Predictive analytics

Early warning and maintenance intelligence using live data

- **Edge device onboarding and management**
- **Real-time data ingestion and processing**
- **Operational dashboards and alerting**
- **Predictive maintenance analytics**

1

Assess and design

Identify use cases, asset landscape, data flows and security requirements

2

Integrate and ingest

Onboard devices, configure gateways and establish streaming pipelines

3

Analyse and visualise

Deliver real-time dashboards, alerts and performance analytics

4

Optimise and enable

Embed predictive models, operational processes and knowledge transfer

Proven public sector impact

La Fosse delivers IoT and edge-analytics solutions by combining secure device integration with real-time data processing and insight. We help organisations move from raw sensor data to actionable intelligence that improves asset performance, resilience and planning decisions.

Analytics capability
within regulated
environments



Delivered analytics and insight support to strengthen monitoring and operational oversight.

Outcome: Better performance insight, improved assurance and more informed decision-making.

Operational data and
analytics enablement



Provided data and analytics expertise supporting real-time and operational data services.

Outcome: Improved data visibility, stronger analytical capability and more responsive services.

Smart infrastructure
analytics delivery



Supported IoT, data and analytics capability across complex operational environments.

Outcome: Improved operational insight, more timely decision-making and enhanced resilience.

Delivering positive, lasting impact beyond project outcomes

We're an employee-owned business that believes transformation should empower people as much as technology. Every engagement builds confidence, inclusivity, and self-sufficiency within client teams.

Sustainability and climate

Eco-conscious operations, reduced travel, digital-first engagement, social sustainability through charitable partnerships.

Inclusion and opportunity

Diverse delivery teams, fair pay, early-career pathways via La Fosse Academy.

Wellbeing, culture and communities

Consultant communities, prioritising mental and physical wellbeing, transparency and healthy working practices.

A woman with dark hair in a ponytail is seen from behind, looking out of a train window. The background is blurred, suggesting motion. The entire image has a purple overlay.

Thank you