

Digital Twin and Spatial Data Solutions

La Fosse Capability

Using spatial insight and digital twins to improve planning and asset decisions

La Fosse designs and delivers digital twin and spatial data solutions that combine GIS, IoT and asset data to provide a real-time, visual representation of physical environments. We support data integration, modelling and visualisation to help organisations plan, operate and maintain assets more effectively. Our approach improves decision-making, reduces downtime and supports long-term investment and sustainability objectives.

Integrated spatial data

GIS, asset, IoT and BIM data brought together in a single view

Digital twin modelling

Virtual representations of assets and environments

Visualisation and insight

3D visualisation and dashboards for planning and operations

Lifecycle management

Ongoing insight supporting maintenance, resilience and investment decisions

- **Digital twin and spatial data modelling**
- **GIS, IoT and asset data integration**
- **3D visualisation and scenario planning**
- **Operational and lifecycle insight**

1

Define and scope

Identify assets, spatial data sources, use cases and decision requirements

2

Integrate and model

Combine GIS, IoT and asset data to build digital twin models

3

Visualise and analyse

Deliver 3D visualisations, dashboards and scenario simulations

4

Operate and evolve

Embed use into operational processes and support ongoing optimisation

Proven public sector impact

La Fosse delivers digital twin and spatial data solutions that bring together asset, location and operational data. We help organisations visualise complex environments, test scenarios and make evidence-based decisions that improve asset performance and long-term planning.

Asset insight and
planning support



Delivered data, analytics and spatial insight to support asset management and planning activities.

Outcome: Better visibility of estates, improved maintenance planning and more informed investment decisions.

Spatial data and
analytics for national
services



Provided spatial data and analytics expertise supporting nationally significant data services.

Outcome: Improved spatial insight, better data integration and stronger analytical capability.

Digital twin and spatial
insight delivery



Supported spatial data integration and analytical capability across complex operational environments.

Outcome: Improved situational awareness, better planning insight and enhanced operational 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