

Digital Twin and Spatial for Estates

La Fosse Capability

Improving estate planning and asset management through spatial insight

La Fosse designs and delivers digital twin and spatial data solutions that enable public sector organisations to better understand, manage and optimise estates and assets. By integrating GIS, IoT and BIM data, we provide a single, visual view of assets to support planning, maintenance, sustainability and investment decisions across property portfolios.

Integrated spatial data

Combining GIS, BIM and asset data into a single view

Digital twin modelling

Virtual representations of estates and infrastructure

Operational and planning insight

Scenario modelling for maintenance, capacity and resilience

Lifecycle and sustainability management

Supporting long-term estate optimisation and carbon goals

- **Digital twin and spatial data modelling**
- **GIS, BIM and IoT data integration**
- **Estate analytics and visualisation**
- **Operational and strategic decision support**

1

Discover and scope

Assess estate data, asset systems and use cases

2

Design digital twin model

Define spatial architecture, data integrations and visualisation

3

Build and integrate

Develop digital twin environments and dashboards

4

Operate and optimise

Support use, insight generation and ongoing enhancement

Proven public sector impact

La Fosse delivers digital twin and spatial solutions that turn estate data into actionable insight. We help organisations visualise assets, improve planning decisions and optimise estate performance through integrated digital representations.

Estate and asset
insight for public
organisations



Provided architecture and digital capability supporting spatial and asset-related systems.
Outcome: Improved understanding of asset dependencies and more informed planning decisions.

Property and estate
optimisation



Supported digital and data initiatives improving visibility of housing stock and estate operations.
Outcome: Better asset insight, improved maintenance planning and operational efficiency.

Data-led estate
decision support



Delivered data and analytics capability supporting evidence-based operational decisions.
Outcome: Improved data integration, clearer insight and stronger decision-making confidence.

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 a train window. The background is blurred, suggesting motion. The entire image has a purple overlay.

Thank you