



Graham Morgan

Nationality

British

Time in industry

30 years

Most Recent Assignment

Senior ICT Architect,
Sellafield Infrastructure
Strategic Alliance

Qualifications & Certifications

- UK Govt Security Cleared
- Enhanced DBS Cleared
- MCSE Azure Solution Architecture
- FME Certified Professional
- ScrumAlliance® Agile ScrumMaster and Estimator
- MSc Geographical Information Science (Distinction) University of Edinburgh
- BSc in Geology, University of London

Professional Memberships

Association for Geographic Information (AGI)

Programme Manager & Strategy Specialist, Enterprise Information Systems

As an expert in the design and development of spatial information systems, Graham has helped numerous organisations around the world.

From Defence to Natural Heritage, Graham has over 25 years of hands-on experience working with client teams to implement enterprise solutions to address a myriad of business needs. His knowledge of spatially-related technologies is both broad and deep and he has produced numerous articles and conference presentations based on his experiences in deploying them. Graham served as the Chairman of the Association for Geographic Information Northern Group and has received the AGI Director's Award for service to the industry.

Key areas of expertise include: problem solving, cloud system architectures, implementation strategies; team development, data infrastructure development, data transformation, migration and management; spatial analysis and data visualisation.

Graham is a highly skilled and experienced Enterprise Architect with a long history of leading agile teams in delivering enterprise solutions.

Graham has also climbed, skied, biked and trekked extensively; he is a qualified mountain leader and occasionally instructs for his family's mountaineering business in the Lake District.

Key areas of expertise

- ❖ Digital solutions strategy
- ❖ Cloud architecture, deployment and operation
- ❖ Power Platform solution implementation
- ❖ Data and systems integration
- ❖ Enterprise data transformation, migration and management
- ❖ Geographic Information Systems design and implementation
- ❖ Smart City strategies and digital twins



Project History & Experience

2019 – 2025

Ove Arup International / Sellafield Infrastructure Strategic Alliance (ISA), Cumbria

ICT Architect and Digital Implementation Lead

Graham is responsible for the design and implementation of a secure Microsoft Azure/O365/Power Platform-based collaboration environment to support Sellafield and its supply chain partners within the Infrastructure Strategic Alliance. He also leads on the geospatial strategy and the implementation of an ArcGIS Enterprise platform to support masterplanning, land management, design, construction and asset care work streams.

2019 – 2025

Avison Young/National Grid Spatial Data Management Platform, Newcastle

Senior Consultant

Graham leads on the development and operation of an ArcGIS Online/Cloud and FME-based solution to enable Avison Young to deliver a national service to monitor potential impacts of local authority development plans on National Grid gas and electrical transmission assets in the UK.

2017 – 2019

Copeland Borough Council, Cyber Recovery, Cumbria

Senior Consultant

Graham coordinated the recovery and renewal of Copeland Borough Council's ICT estate following a very serious cyber-attack that encrypted many council systems. This involved building an internal team, managing the long-running recovery effort and developing the strategy and enterprise architecture to support the council into the future.

2017 – 2020

Ove Arup International / Hong Kong Common Spatial Data Infrastructure (CSDI)

Programme, Hong Kong

Subject Matter Expert / Senior ICT Consultant

Graham provided specialist advice for a feasibility study into the development of a Built Environment Application Platform (BEAP) for the Hong Kong Government's Planning Department. The BEAP is one of the core components of the city's Digital Twin. Working with a team primarily based in Hong Kong, the study took forward the Hong Kong Common Spatial Data Infrastructure (CSDI) Development Strategy to support the Hong Kong Smart City Blueprint by formulating an overall development framework and demonstrating with proofs of concept and prototypes a number of applications for the establishment of the Digital Twin platform. The work focused on city planning, land parcels and land use, infrastructure/engineering, and environmental applications. The BEAP project won three prestigious awards, including the Grand Award for Excellence from the International Society of City and Regional Planners (ISOCARP) in 2020.



2013 - 2017

Sellafield Maps Programme, Cumbria

Subject Matter Expert / Senior ICT Consultant

Graham led the technical development and delivery of a new enterprise-wide GIS capability for this large nuclear organization. Working within the client team Graham designed the services, technical architecture, data integration architecture and implementation strategy for the capability. He also led several Agile Scrum teams in the delivery of components and services for master planning, security, resilience, transport and utility divisions.

2015 – 2016

TEPCO, Tokyo, Japan

Senior Consultant

Working with the commercial division of the UK Nuclear Decommissioning Authority (NDA) and Sellafield, Graham consulted to TEPCO on the development of an enterprise GIS to support to the Fukushima Daiichi recovery.

2012 – 2013

Wood Mackenzie, Client Portal, Edinburgh

Spatial Architect

Graham supported the design and development of a new client portal for this firm of energy industry analysts. The solution addressed the key challenges of delivering highly personalised spatial information to a global audience clearly, quickly and securely.

2011 – 2012

Atlantic Geomatics, Enterprise GIS, Gibraltar

Geospatial Solution Architect

Graham consulted in the design and initial development of an enterprise GIS solution to support the British Overseas Territory of Gibraltar. The project also introduced a new postal addressing solution.

2010 – 2011

SpatialINFO, Denver, Colorado, USA

Senior Consultant

Graham consulted to SpatialInfo of Denver, Colorado in the automated migration of fibre optic network data from an ESRI SQL Server/Geodatabase to an Oracle Spatial / Autodesk model.



2009 – 2010

Oxfordforshire CC, Geospatial Strategy, Oxford

Senior ICT Strategy Consultant

Graham worked on an audit of existing spatial applications, data and resources; conducted a spatial needs assessment across the Council's business functions; and developed options and implementation roadmap for a consolidated approach, including a migration plan. The overriding driver was to improve the efficacy and efficiency of the Council's GIS estate (particularly achieving cost savings).

2008 – 2009

Transport for London, Enterprise Data Platform, London

Senior ICT Architect

Graham consulted to TfL to assist in the establishment of an Enterprise Architecture practice encompassing the design of spatially-enabled common IT platform services, together with supporting standards, policies and governance structures. He was involved as a Solution Architect in several projects including: the IRIS incident reporting system – a web based extranet application; Prestige MCS – providing the infrastructure to support the expansion of Oyster cards across National Rail; and the TfL geospatial Data Management Framework.

Employment Summary

2008 – Present	Spatial Consultants Ltd, : Director / Digital Practice Leader
2005 – 2008	Forte Consulting, Victoria, British Columbia, Canada, Partner
1999 – 2005	Convergent Group, Denver, Colorado, USA, Solution Architect
1997– 1998	Perot Systems, Nottingham, Software Engineer
1995 – 1997	Ministry of Natural Resources, Ontario, Canada, Spatial Analyst
1993 – 1994	Callahan Fox & Associates, Canberra, Australia, Consultant
1991 – 1993	Sperry Sun Drilling Services, Aberdeen, Geologist