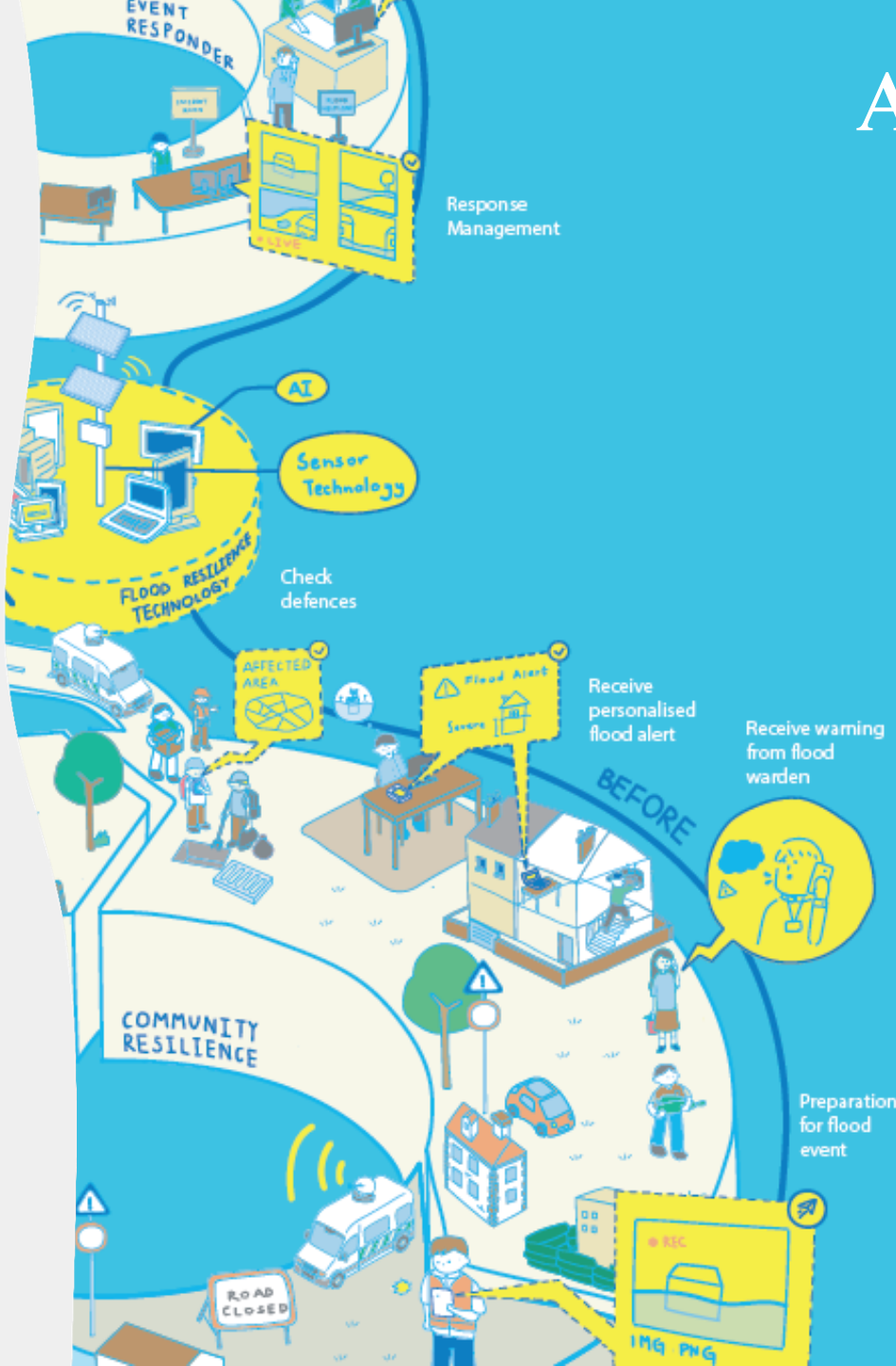
ARUP

G-Cloud 15 Geographic Information System (GIS) Services

G-Cloud 15
Service definition document

Our firm

Arup is a global collective of designers, consultants and experts dedicated to sustainable development, and to using imagination, technology and rigour to shape a better world



Our aims

The aims and principles laid out by Sir Ove Arup in his Key Speech, continue to underpin our firm today


Social usefulness


Total architecture


Humane organisation


Straight and honourable dealings


Quality of work


Reasonable prosperity

Who we are

We combine digital expertise with market knowledge to advise on the role of digital and data in the built and natural environment

We deliver services and solutions that solve complex challenges for our clients



Our strategy

We work with clients, partner and practitioners who share our commitment to create a sustainable future for everyone



Our partnerships

From climate change to city resilience, our long-term collaborations help us to tackle some of the world's toughest problems























Some of our clients





































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Our G-Cloud 15 services

- Digital service design and development
- Discovery phase
- Alpha phase
- Beta phase
- Digital Asset Information Management
- Digital Strategy and Architecture
- Built Environment Data Advisory
- Digital Transformation
- Digital Energy
- Digital Water
- Digital Transport
- Experience Design
- Digital for Sustainability
- Digital Twins
- Digital Planning
- Co-Design
- GIS (Geographic Information System)

GIS (Geographic Information System) Cloud and Consultancy Services

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GIS Cloud and Consultancy Services

Introduction

Arup provides comprehensive vendor-neutral geospatial solutions for both the built and natural environment, including ESRI, FME, PostGres, GeoServer, Leaflet and QGIS. Arup's global reputation for offering GIS Cloud Enterprise solutions was highlighted by winning the ESRI 2023 Special Achievement in GIS.

Arup's services encompass GIS strategy and planning, needs assessment, system architecture and design, data model and database design, implementation, system integration, automation, application development, and data conversion/migration.

Arup uses ESRI's ArcGIS platform, specifically ESRI Enterprise and ArcGIS Online, for web GIS mapping applications. Standard practice involves deploying web GIS with ArcGIS Enterprise's ready-made solutions to adhere to project needs and industry standards. These solutions include Web Applications, Experience Builder, StoryMaps, Sites, Dashboards, and 3D Web Scenes.



Features

Features

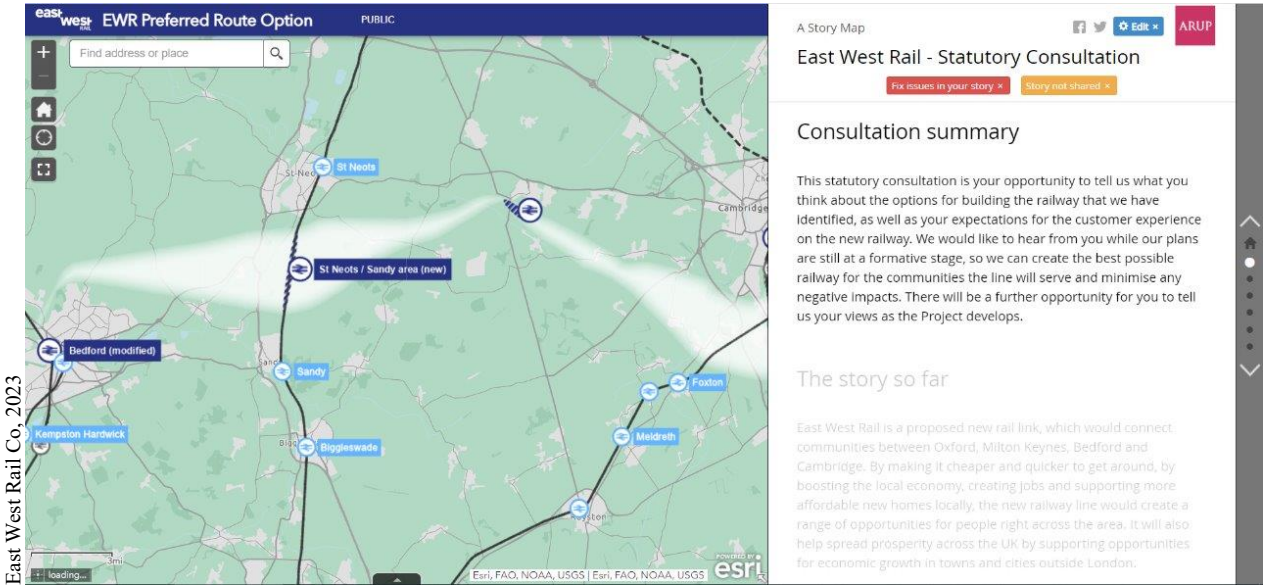
- Easy collaboration and sharing of data, maps and applications
- ESRI ArcGIS Enterprise or ArcGIS Online
- Web applications, Experience Builder, StoryMaps, Dashboards and 3D Web Scenes
- Multi cloud option: Azure, AWS, Google
- Multi region compute and storage ensuring data residency requirements adhered too
- Extensive experience with Ordnance Survey PSMA data
- Responsive multi-device applications
- Specialists in deployment, migration, support and development
- Offers GIS data capture, manipulation, analytics, reporting and quality assurance
- Experienced data lifecycle, project end-to-end

Benefits

Benefits

- Collaboration: allows users to share and collaborate on geospatial data
- Best-in-class geospatial services to industry standard
- Highly scalable cloud file storage through managed databases
- Experience in developing GIS data governance, single source of truth
- Decision-making based on up-to-date information, evidence and traceability
- ESRI Premium support contract
- Secure, role-based access control for single user, encryption, and authentication mechanisms
- Arup has 20+ years of experience in providing ArcGIS support and development
- Global network of GIS Consultants
- Over 500 ESRI ArcGIS projects delivered globally in the last five years to over 14,000 users
- Powerful automation techniques to ensure a resilient platform
- Silver member of the Esri Partner Program

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East West Rail Co, 2023

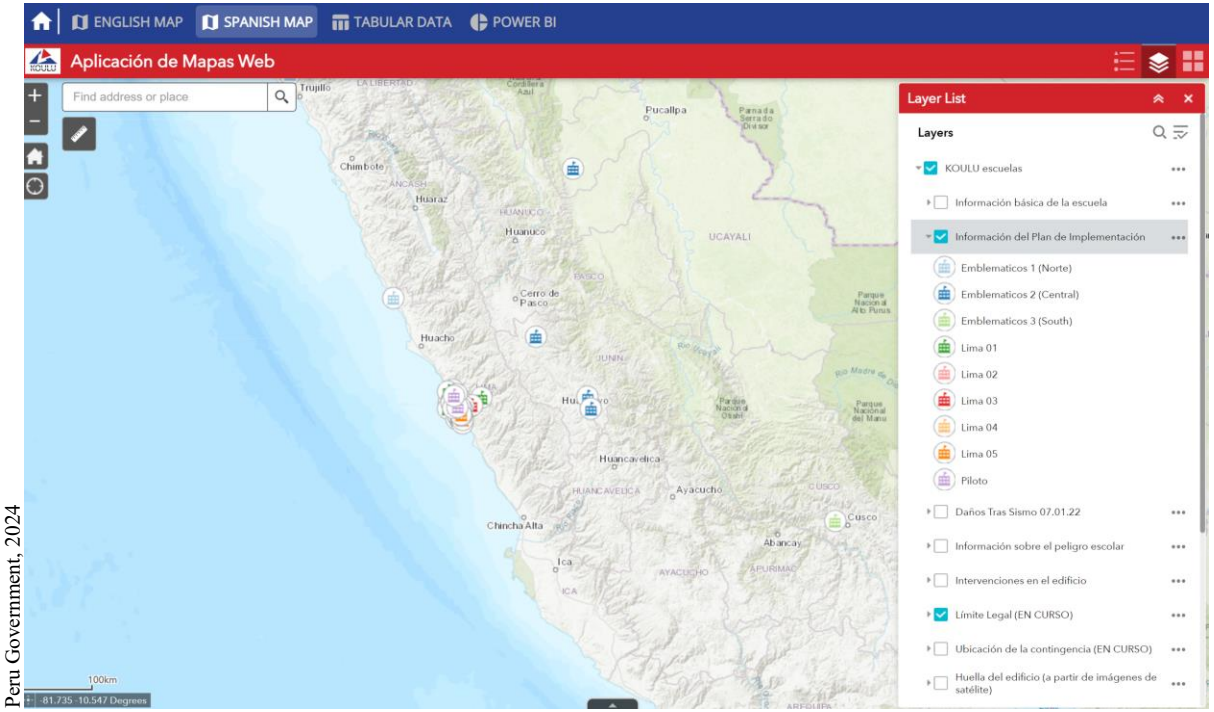
East West Rail, East West Railway Co Ltd

GIS as a service for preferred route Development Consent Order (DCO)

The Arup Geospatial Team worked in coordination with a multi-disciplinary engineering, environmental and planning team in partnership with East West Rail (EWR) as the Engineering Partner, Arup provided support across the route from Oxford to Cambridge. Arup led option shifting in preparation for the statutory consultation, where all options were completed to RIBA stage 2 across the routes.

East West Rail| | UK
2019-2023

ARUP



Peru Government, 2024

Peru Reconstruction, Peruvian Government

ESRI Enterprise GIS platform to support project delivery

Arup provided an ESRI Enterprise GIS platform to support the delivery of this government-to-government project. The platform gives our clients, contractors and partners, who are globally distributed, access spatial data in a single common data environment. Making data accessible in this way has brought it to the heart of the decision-making processes and enabled our multidisciplinary teams to collaborate more freely. We developed a wide range of web GIS solutions to support these processes.

Peru Reconstruction| Peru
2022-2024

ARUP



Arup, National Highways 2023

A417 Digital Environmental Statement, National Highways

Digital GIS interactive Environmental Statement

Arup provided a publicly accessible digital Environmental Statement to legal requirements. It summarises more than 9000 pages in an interactive and dynamic location for a user to view this information in its entirety showcasing 200 photographs. It allows to query the data presented in the DCO and create any figure they wish whilst viewing their specific area of interest. It gives insight to the number of users engaging with the scheme as well as which chapters are gaining the most interest.

A417 Digital Environmental Statement| UK 2019-2024

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