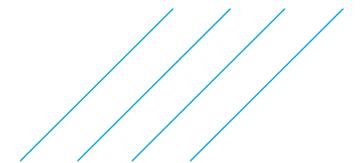


The logo for ATKINS, featuring the word "ATKINS" in a bold, white, sans-serif font.

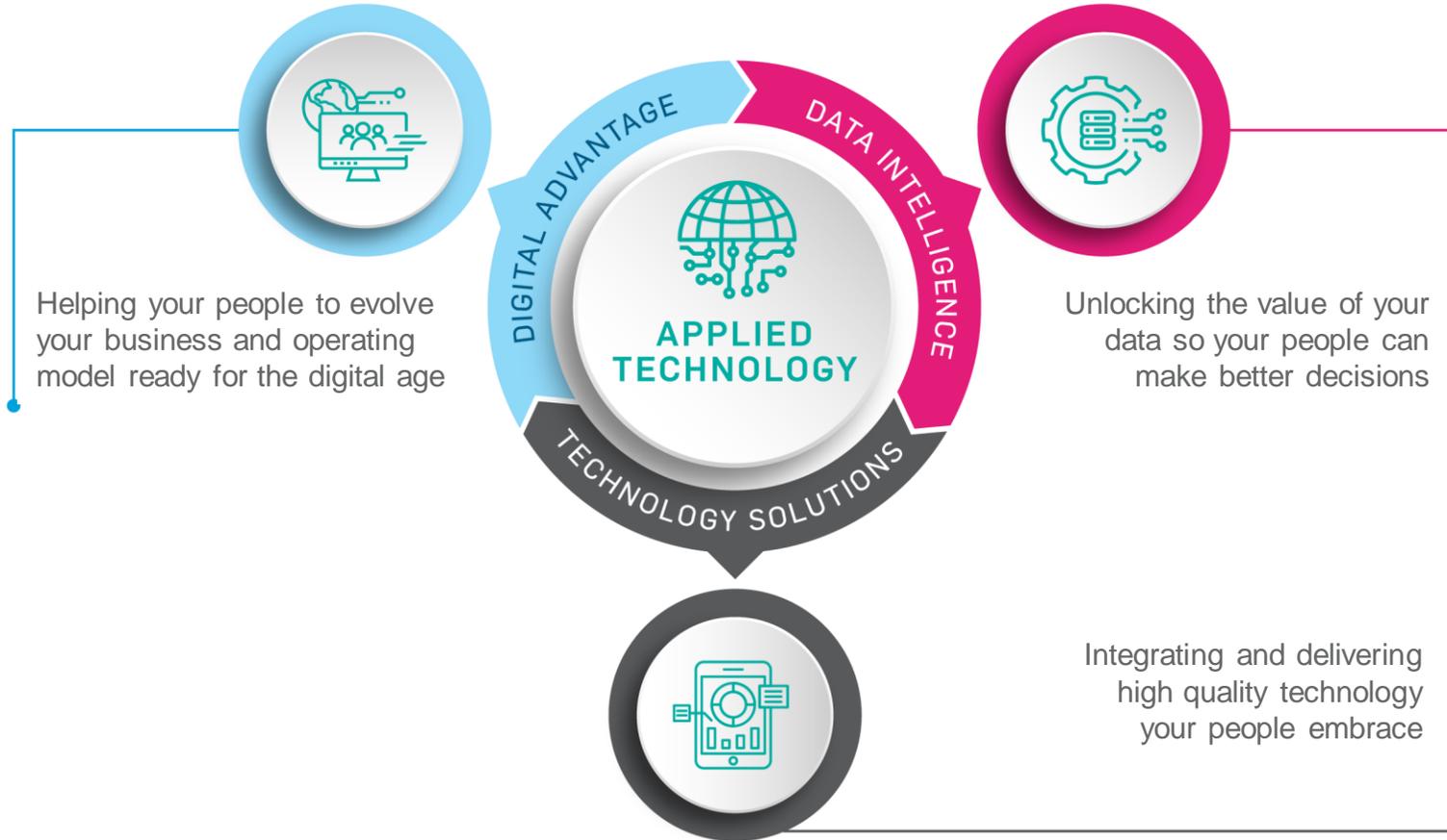
Member of the SNC-Lavalin Group

Making Digitalisation Cost Effective via Collaboration

10/05/2023

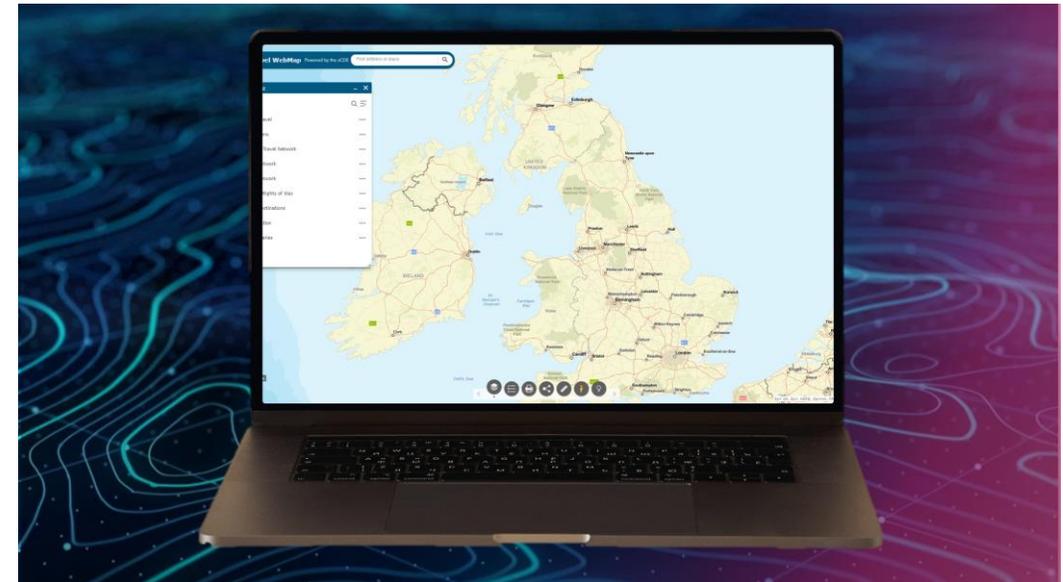


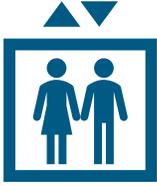
Using our expertise to help your business thrive



Transport Decarbonisation and Going Digital

- Detailed decision making is imperative to decarbonise transport
- Digitisation of the transportation industry brings cross sector benefits for all
- Barriers to digitisation include cost and varying levels of digital knowledge
- Data, systems and training can also be a hurdle especially for smaller projects
- Collaboration between projects creates efficiencies of scale by sharing systems, data and automation
- Atkins Active Travel digital model.





The Elevator Pitch

The **Spatial Common Data Environment (sCDE)** enables large volumes of diverse spatial data to be ingested, maintained, and communicated to multidisciplinary large teams by creating a secure single-source-of-truth database.

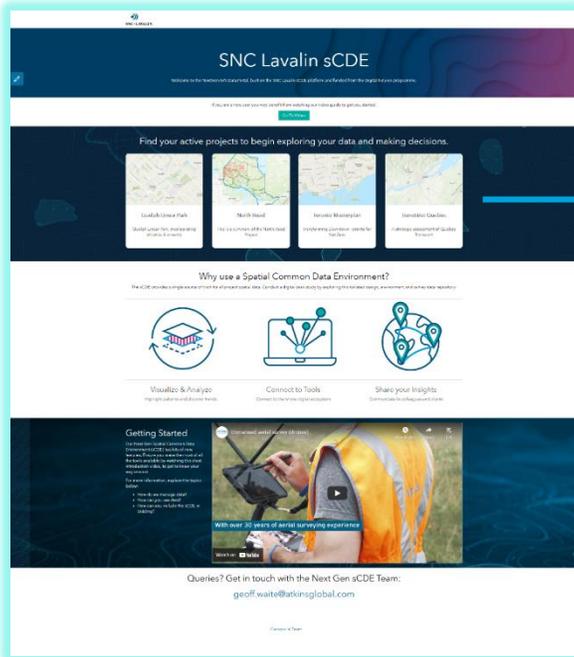
Non-technical specialists can use secure in-browser interactive apps to view and analyse 2D, 3D, and dashboard data. Intensive offline analysis processes can access the same single-source-of-truth database to perform complex processes such as hydrological modelling.

This democratised data access allows projects to rapidly progress by preventing data sourcing bottlenecks, duplication of data management effort, or rework through siloed data accessibility. Project outputs can be achieved and communicated more quickly, at lower risk and with higher quality results.

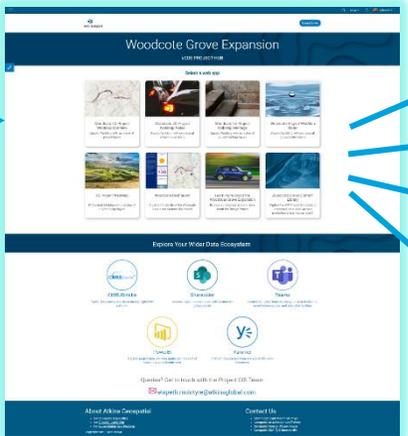


Spatial Common Data Environment (sCDE)

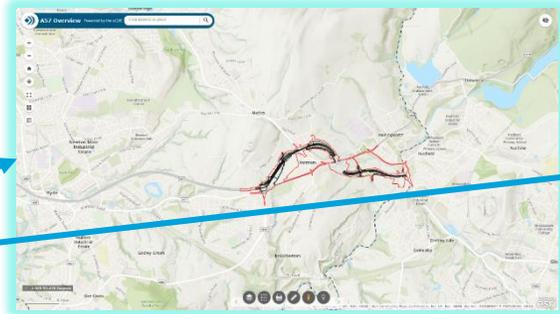
sCDE Site Hub



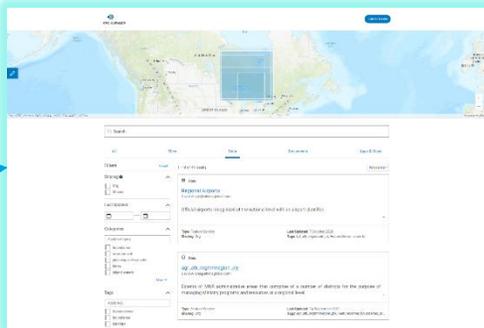
Project Hub



2D Project Web Map



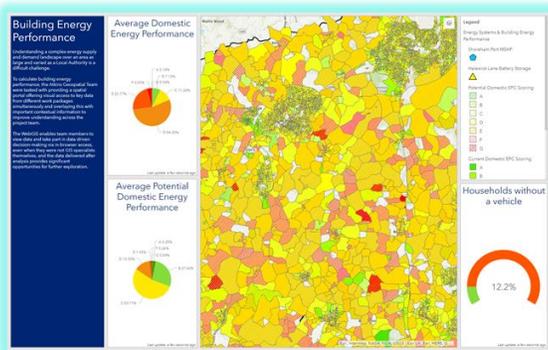
Data Catalog



3D Project Web Map



Dashboard



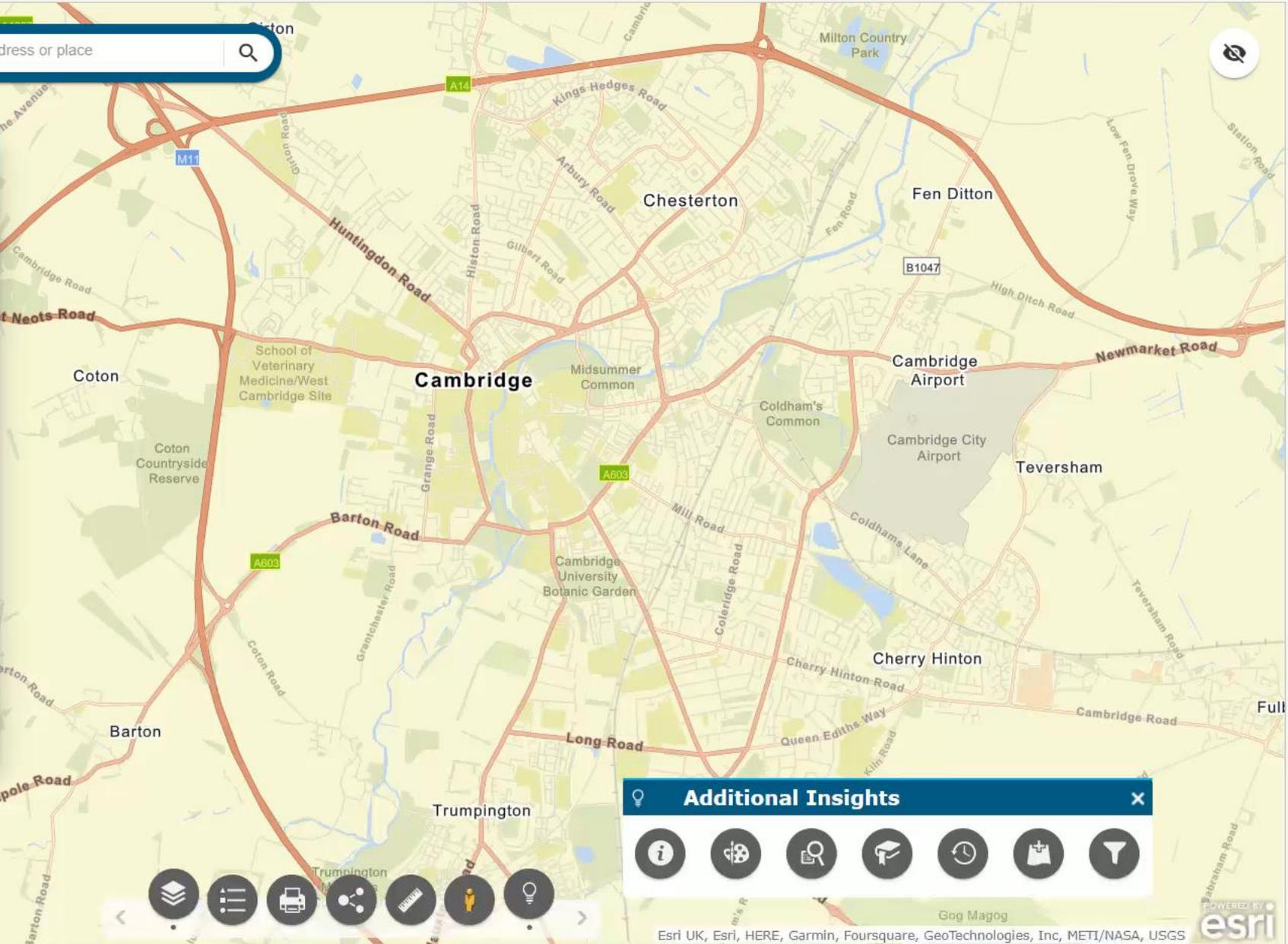
Active Travel WebMap

Powered by the sCDE

Layer List

Layers

- Active Travel
- Collisions
- Active Travel Network
- Bus Network
- Rail Network
- Public Rights of Way
- Key Destinations
- Recreation
- Boundaries



Additional Insights

- Information icon
- Layers icon
- Search icon
- Home icon
- Refresh icon
- Print icon
- Share icon
- Lightbulb icon

0.052 52.216 Degrees
1:72,224

Business Benefits

- Access a single shared source of truth database
- View and interrogate project data in an intuitive webapp
- Access for all – webapp for viewers and GIS software access to analyse
- Ability to export own report maps without bottle neck
- Invaluable for completing Walking, Cycling and Horse Riding Assessment and Review (WCHAR) reports
- Greater overall project visibility



Time saved looking for data and printing interim maps/pdfs



Time saved on average per tool created



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