Alchera Journey Times Service Description

January 2026

Contact: sales@alcheratechnologies.com

COMPANY

Alchera Technologies: data-driven mobility experts.

Alchera is a specialist in enterprise-grade mobility and infrastructure systems, providing software tools and machine learning to power data-driven infrastructure.

Alchera specialises in helping operators of road networks to maximise the operational and commercial value of fragmented mobility data.

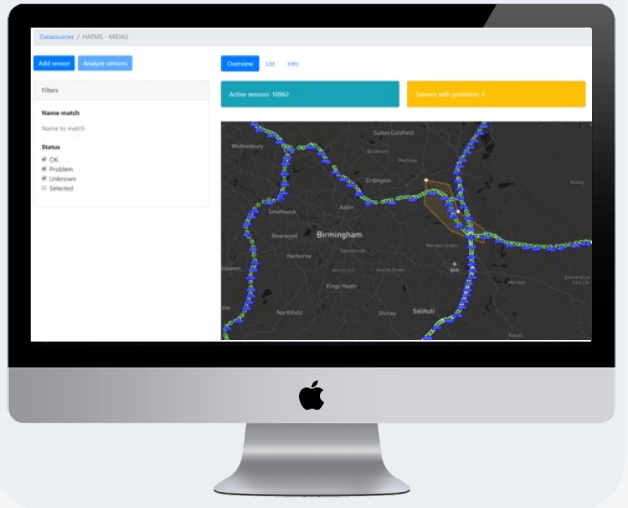
Our flagship platform, analyses & fuses data in real-time from existing sensors across the road network - including cameras, connected vehicles, GPS and IoT sensors - providing auditable access to relevant stakeholder groups both internally and externally where data can be shared for wider impact

250+
YEARS OF INDUSTRY EXPERIENCE

20+
PEER-REVIEWED PAPERS

TEAM EXPERTISE

University of Cambridge, Jaguar, Land Rover, Bank of America, TRL, UBS, Blackstone, Imperial College London, BMW, StarLeaf, Siemens, Barclays, UCL, NVIDIA, PA



Motivation:
from data to insight-rich.

Transport planners need to analyse vehicle speeds and journey times to diagnose traffic issues, assess road changes, and support evidence-based planning. Yet many find themselves data-rich but insight-poor.

Teams often avoid using journey time data for all but their biggest decisions, because there's no accessible solution without purchasing third-party data solutions, commissioning expensive external analysis or developing in-house data science expertise. Existing solutions also lack the insight of other data sources, such as road safety and roadworks, which add context to journey times measured in isolation.

There's an opportunity to unlock the value of existing journey time data through intuitive analysis tools, enabling transport planners to generate evidence-based insights themselves – without requiring data science expertise.

Alchera's Journey Times module makes this possible. Accessible through an easy to navigate web-based user interface, compatible with all major operating systems.

SOLUTION

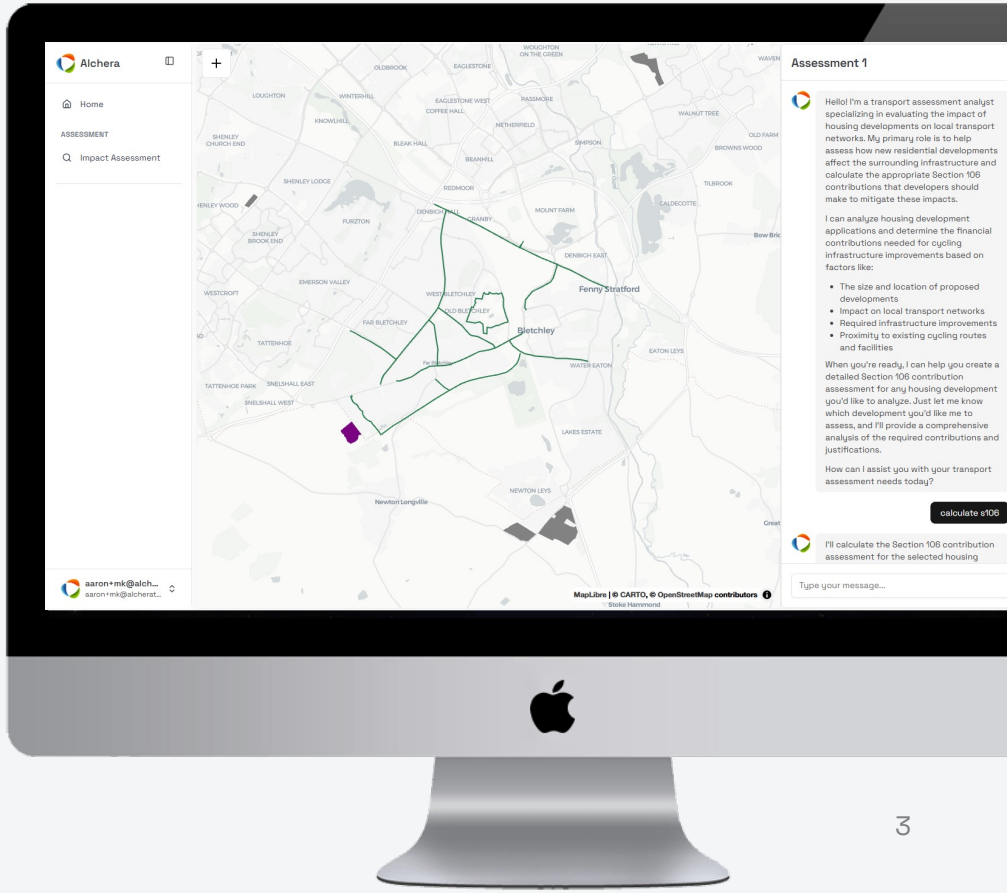
Alchera Journey Times:
intuitive analysis, not just more data.

Alchera Journey Time is a self-serve analytics tool for transport planners to intuitively explore speed and journey time data, without data expertise.

The solution enables users to analyse journey times alongside related datasets such as road safety statistics and roadworks impact – all using existing, freely available open data alongside. These can further be supplemented by other journey time data sources organisations already have, such as from connected vehicles or fixed sensor networks.

This is distinct from other solutions because it:

- Drives meaningful analysis, not data costs – making use of freely available data such as DfT provided INRIX data rather than spending thousands on further third-party datasets.
- Allows Intuitive use case insights – overlay and fuse other data, such as road safety and roadworks, enabled by Alchera's automated integration that doesn't require a data analyst.
- Provides flexibility – allows for further datasets to be added/removed on demand to suit the ever-evolving reporting needs of busy transport networks.



Alchera Journey Times: powerful, intuitive analytics.

Explore speeds across your entire road network with an intuitive map-based interface.

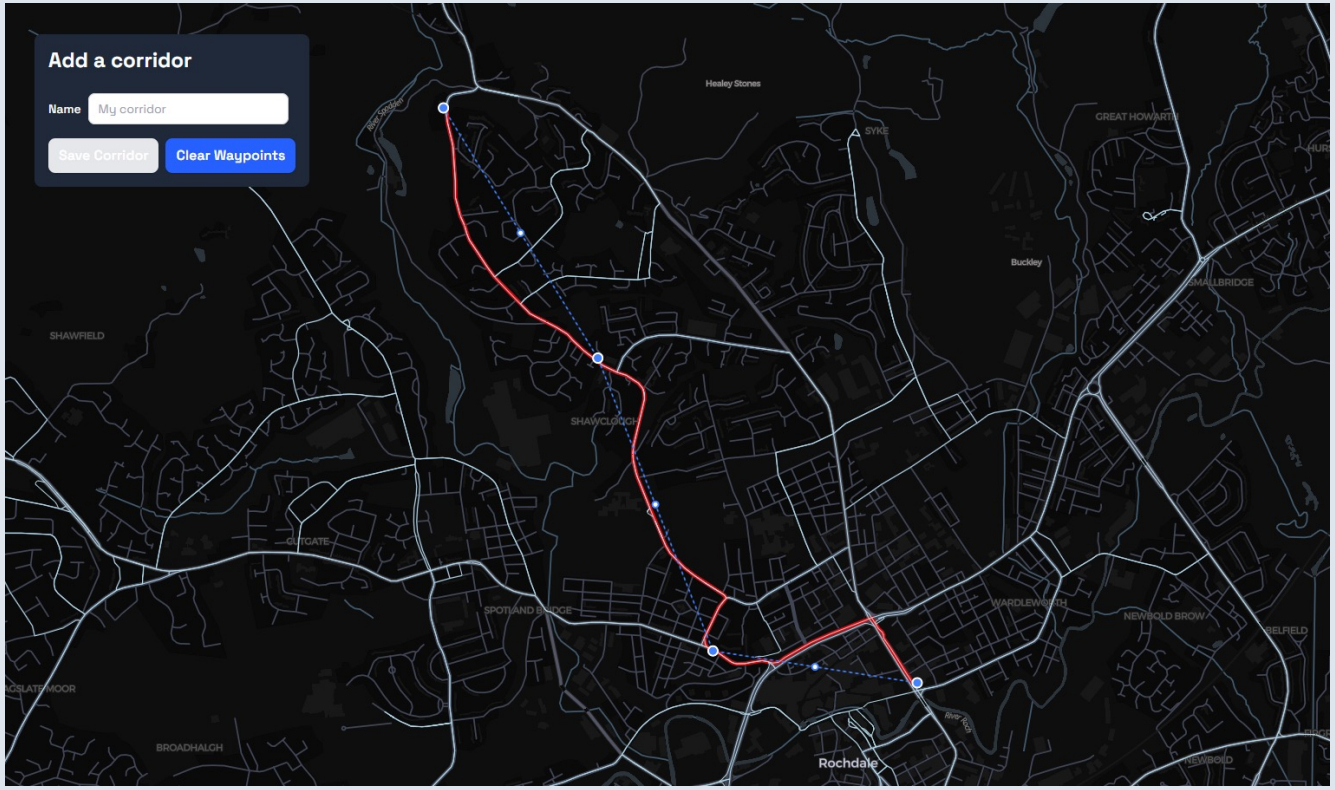
- See speeds and journey times across all road segments for fast problem identification and pattern investigation.
- Drill into any corridor with detailed journey time graphs, day-by-day and hour-by-hour analysis.
- Enrich analysis with contextual insights from safety statistics and roadwork data.



Alchera Journey Times: corridor analysis and pinch points.

Define custom corridors or select specific routes to investigate journey time performance along key routes.

The platform automatically identifies pinch points – individual road segments and junctions where vehicles are being slowed down for easy follow-up analysis.



Alchera Journey Times: roadwork and safety overlay.

Overlay STATS-19 road safety statistics to understand whether journey time issues correlate with collision locations.

Overlay roadworks data to quantify the impact of planned and unplanned works on network performance.

This workflow integration enables transport planners to build evidence for targeted interventions, supported by multiple data integration creating meaningful analysis.



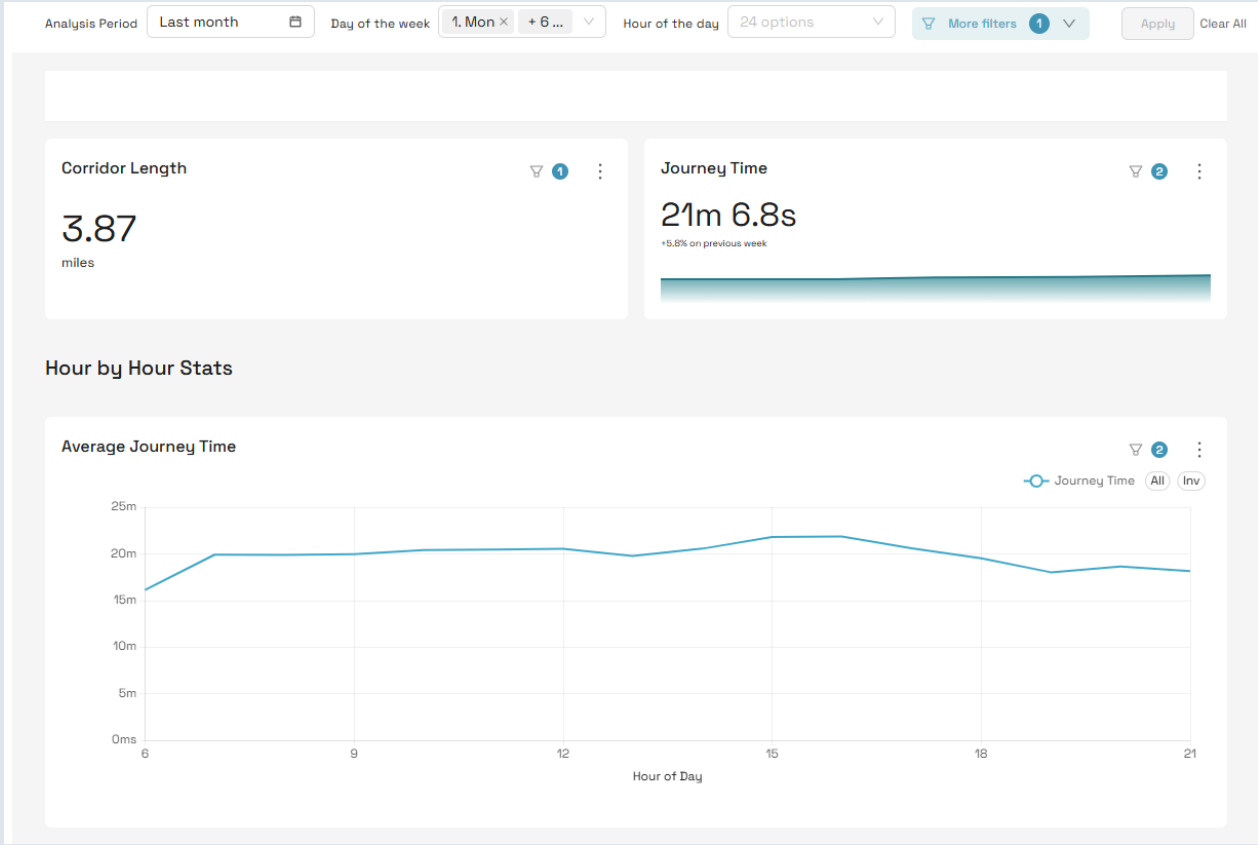
Alchera Journey Times: automated reporting.

Create reports which automatically update with the latest data, including before-and-after analysis to evaluate the impact of interventions.

Reports can be configured to track specific corridors or network-wide performance against key KPIs.

Ask follow-up questions using natural language to dig deeper into the data and generate additional insights from reports without manual analysis.

Export graphs and underlying data for further use in presentations, business cases, or integration with other tools.



Alchera:
Platform & Cyber Security

Updates & Enhancements

Alchera will continue to release timely and free of charge updates to the platform, for the software to remain compliant with current regulations and to ensure its proper operation.

Cyber Security

Alchera is Cyber Essentials Plus certified, which is a UK Government approved equivalent of ISO27001: https://iasme.co.uk/iasme-cyber-assurance/

Contact us:

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