



Alchera Transport Assessment: Service Description

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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.

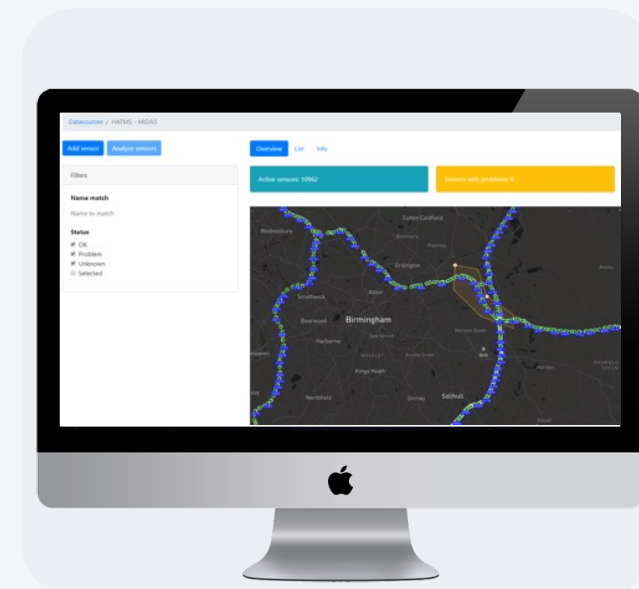
250+

YEARS OF INDUSTRY
EXPERIENCE

20+

PEER-REVIEWED
PAPERS

TEAM EXPERTISE



Motivation: overwhelmed and missing funding opportunities (e.g. section 106).

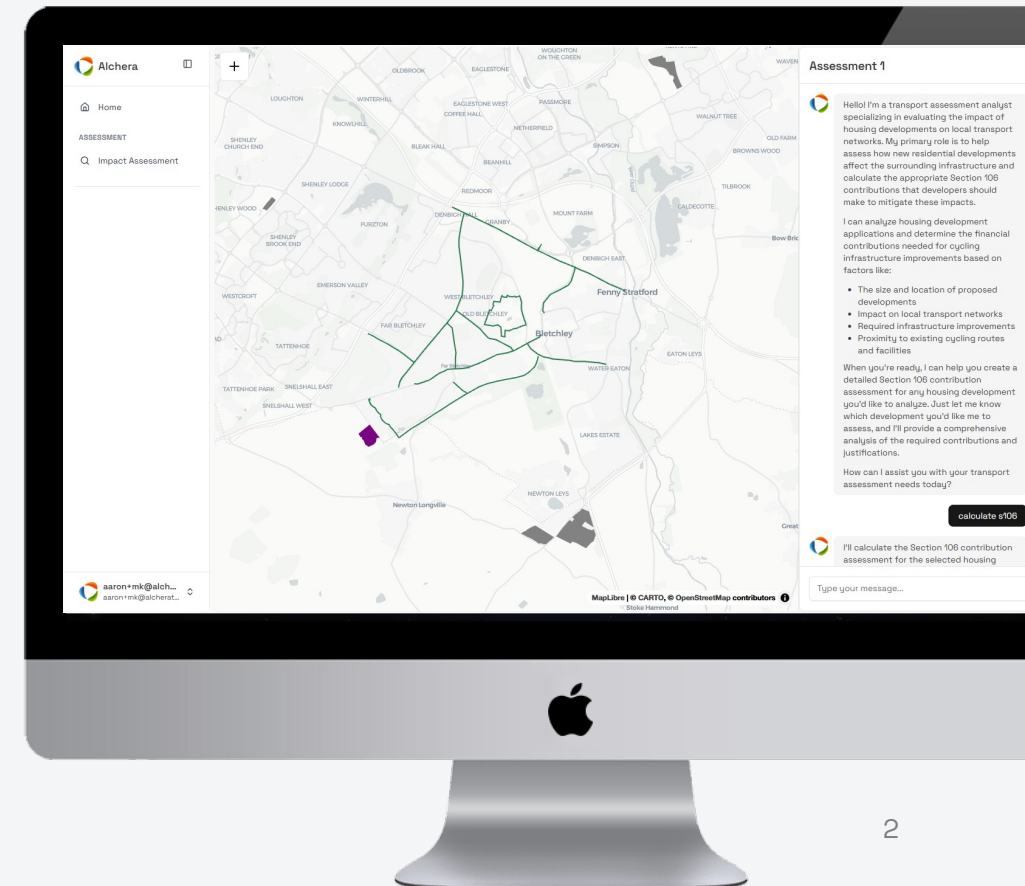
Highways Development Managers face an overwhelming workload responding to thousands of transport assessments each year for new developments. Many teams struggle to keep pace with the volume of applications they must review.

Because teams are stretched thin, they miss critical opportunities to secure Section 106 developer contributions for transport infrastructure. This results in funding shortfalls for transport improvements – especially for active travel schemes.

A problem exists when Development Managers lack the time and data analysis tools to generate robust numerical evidence for Section 106 negotiations. Requests that use words alone are rarely defensible, meaning authorities need quantified, data-driven evidence going into section 106 discussions.

There's an opportunity to help Development Managers work more efficiently whilst simultaneously securing higher Section 106 contributions – by automating the evidence generation process and putting numbers to funding requests.

Alchera's Transport Assessment module makes this possible. All accessible through an easy to navigate web-based user interface, already in use by Local Authorities.



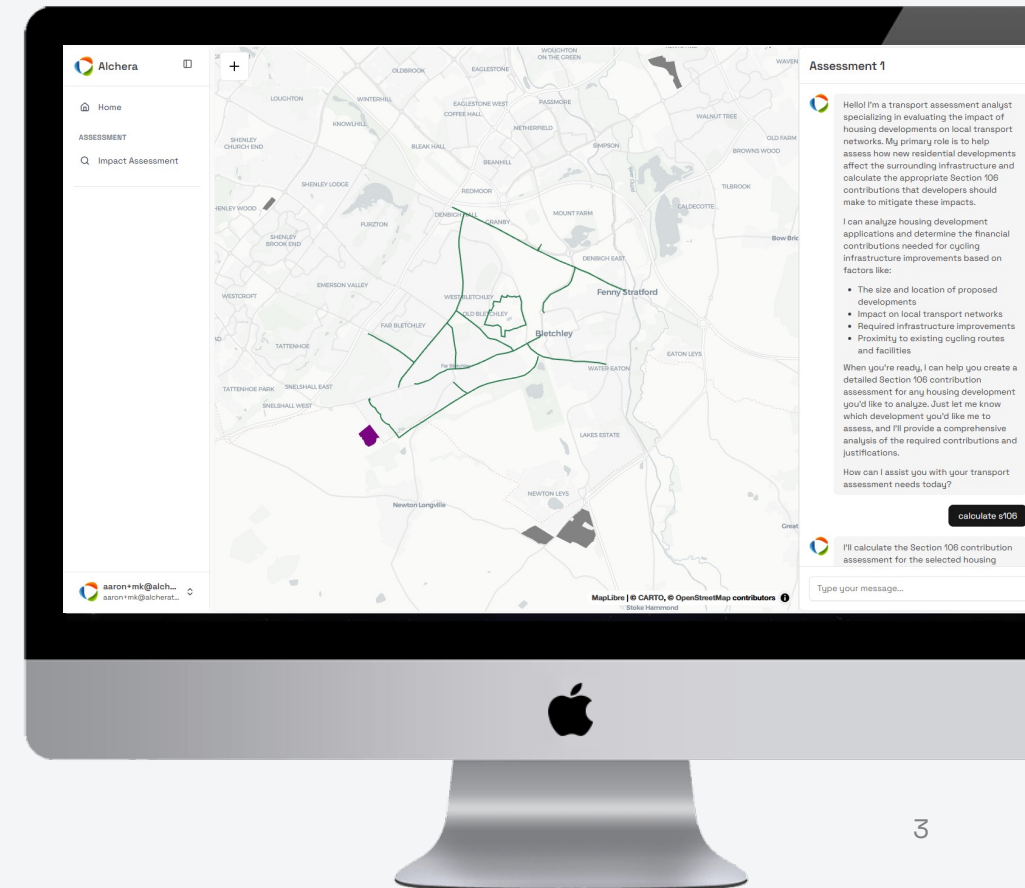
Alchera Transport Assessment: automated section 106 evidence generation.

Alchera Transport Assessment is used by Local Authorities to efficiently respond to transport assessments and secure higher Section 106 developer contributions.

The solution enables users to identify active travel schemes impacted by proposed developments and automatically generate numerical evidence to justify Section 106 contributions – transforming a process that previously required significant manual data analysis into an intuitive, automated workflow.

Key benefits:

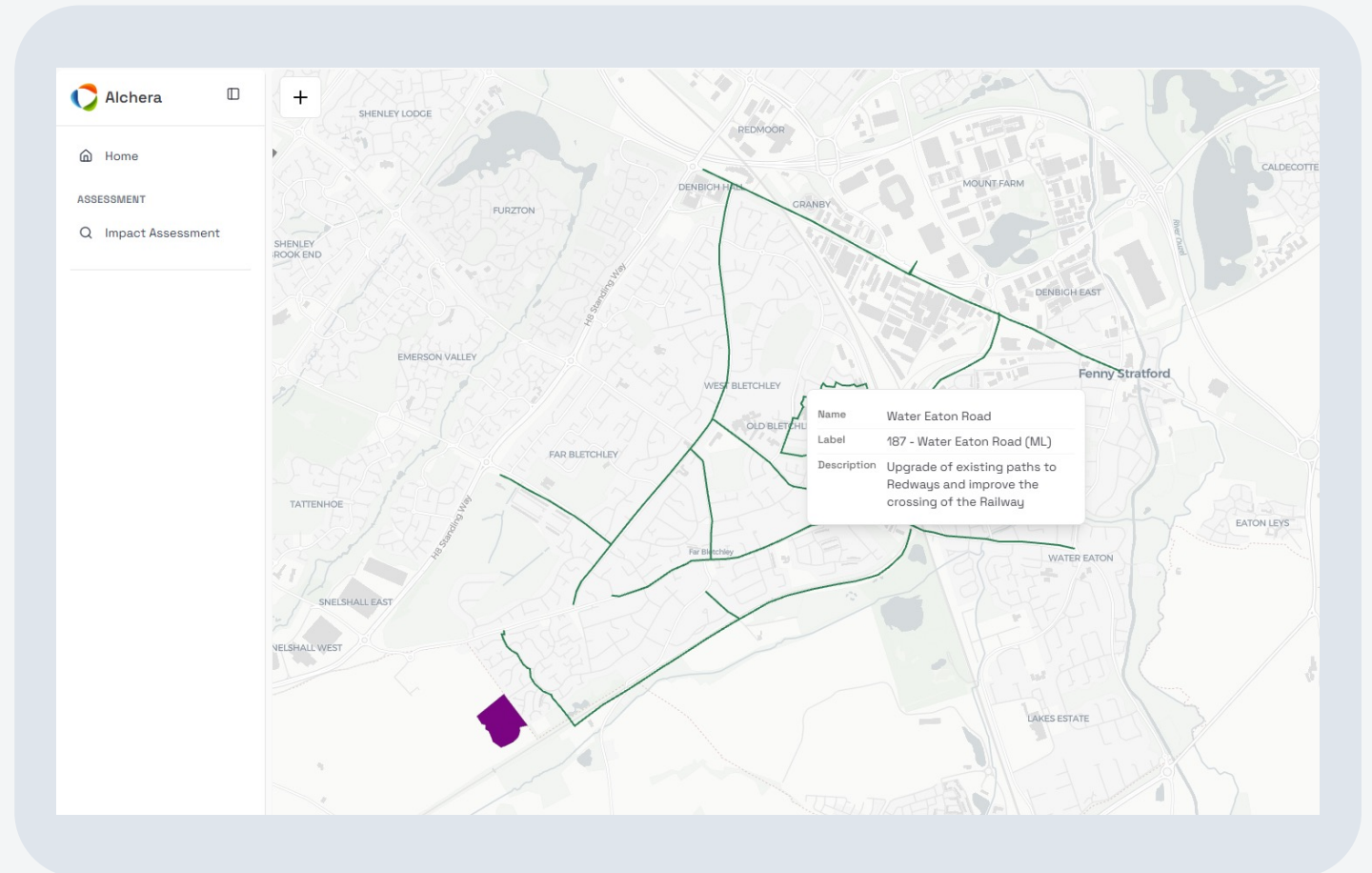
- ✓ Generate >10% more Section 106 contributions for transport, worth over £1 million per year for an average local authority.
- ✓ Unlock team efficiencies so your team can handle more transport assessments in less time.



Alchera Transport Assessment: visualise planning applications.

Map shows all current development applications on an interactive, GIS-style map, providing instant visibility of planning activity across your authority and related section 106 evidence.

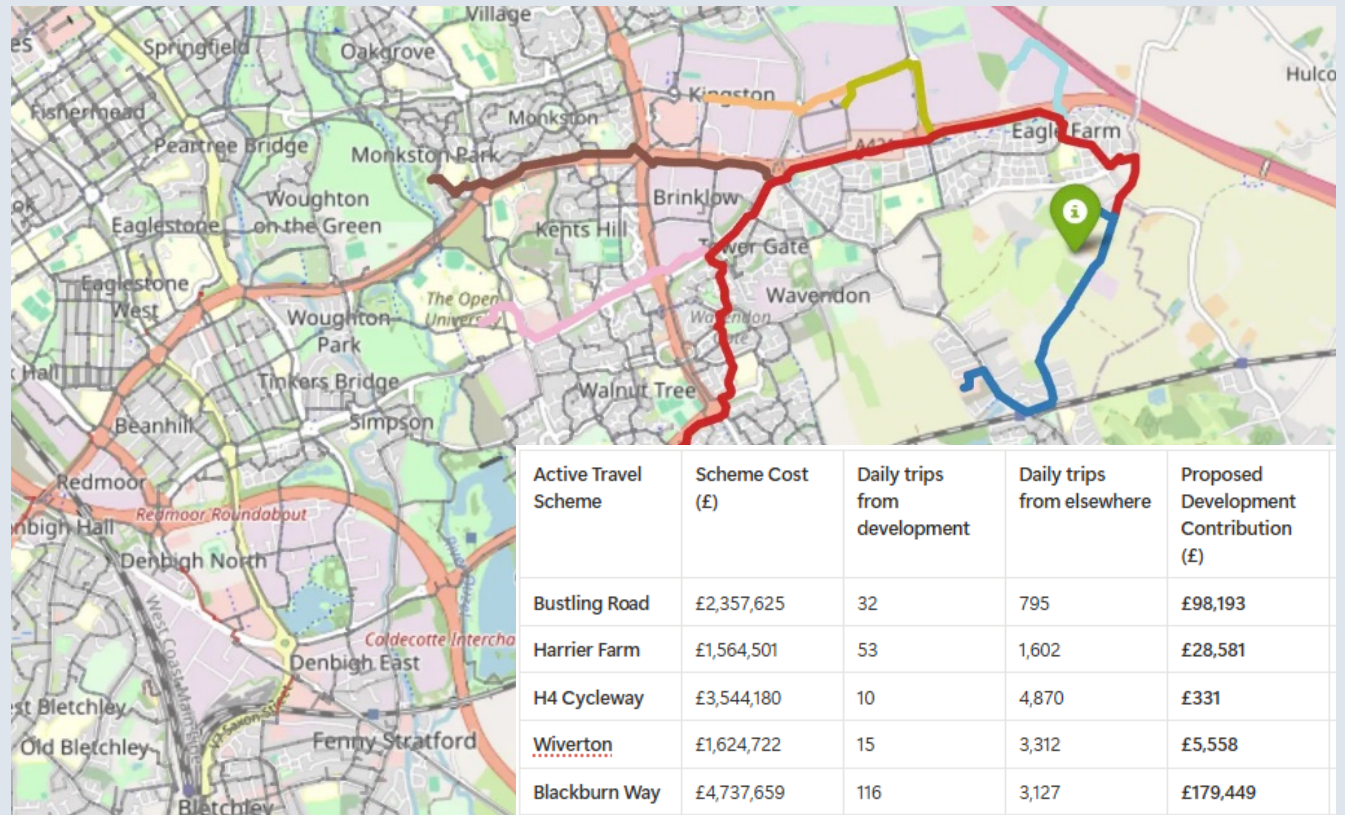
- ✓ See all current developments on an interactive, GIS-style map.
- ✓ Visualise transport scheme impacts relating to new developments.
- ✓ Drill down into evidence – trip breakdowns, origins, destinations and trip type.



Alchera Transport Assessment: numerical section 106 evidence.

Alchera uses graph-based data science techniques including trip generation, network assignment, and predicted journey routing to calculate the number of trips from proposed development that would use each impacted travel scheme.

This evidence can be copied directly into transport assessment responses, providing Development Managers with robust, defensible numbers to justify Section 106 contribution requests.



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/>





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