



Transport and Mobility Service Providers

Why buy our APIs?

DataWharf can revolutionise how your business accesses and utilises transport data. By building relationships between its unique datasets, we can provide your business with comprehensive, journey insights that enhance user experiences and the efficiency of your business. Partnering with DataWharf can offer.

Comprehensive and Integrated Data

Challenge: Your company requires data from multiple, disparate sources to offer seamless and personalised travel experiences. Integrating these diverse datasets can be complex.

Solution: DataWharf builds relationships between all its datasets, providing integrated data solutions that cover various aspects of the travel ecosystem, from station facilities to on-board experience.

Benefit: This integration will enable you to offer comprehensive services without the hassle of sourcing and managing multiple data sources, resulting in enhanced user experiences, a lower cost consumer offer and the associated business efficiencies.

Focus on Innovation

Challenge: To maintain leadership, mobility providers must continuously innovate their service offer, which requires a focus on new service development rather than on supporting and maintaining an underlying data infrastructure.

Solution: By using DataWharf's APIs, you can offload the complexity of data management and concentrate on developing innovative services and enhancing your customers' experience.

Benefit: This strategic focus on innovation will help your business stay competitive and responsive to market trends and customer needs.

Speed to the Market

Challenge: Developing robust datasets in-house can delay the launch of new features and services, which can put you at a competitive disadvantage.

Solution: DataWharf's APIs are ready-to-use, allowing you to quickly integrate advanced data features into your existing systems.

Benefit: By adopting our APIs, you can rapidly deploy new services, stay ahead of the competition, and meet customer demands more effectively.

Access to Specialised Mobility Data Expertise

Challenge: Developing transport datasets is challenging because much of the information about mobility operations and the journey is either unpublished or requires substantial intuitive knowledge about the industry to compile and curate.

Solution: DataWharf specialises in blending acquired knowledge with published transport data, offering APIs that have been meticulously developed and optimised for specific use cases, such as carbon calculations, detailed station information, and accessibility features.

Benefit: By purchasing APIs from DataWharf, your business can leverage advanced, ready-made solutions without the need for extensive internal development, allowing you to focus on their core services. You can also use these API's to develop your own machine learning capabilities or feed directly into your AI platform.

Case Study: Enhancing accessibility for a visually impaired traveller



An app-based mobility aggregator requires comprehensive data on transportation networks, operators, vehicles and service delivery understand the transport landscape available to its consumers. It also needs periodic updates on services, station facilities and route information. This data is crucial for providing users with accurate and up-to-date information about their travel options. By partnering with DataWharf, transport and mobility service providers can gain access to a rich repository of real-time data.

The Challenge

Travelling in a bustling city like Glasgow can be particularly challenging for visually impaired people. DataWharf's suite of APIs provides the necessary data to ensure a seamless and accessible travel experience. Meet Rachael – a visually impaired tourist planning her first visit to Glasgow. Rachael values her independence and needs reliable information to navigate the city's complex transportation system confidently. She wants accessible travel information that includes details about station accessibility features, and staffing information to navigate Glasgow's transport system independently.

The Solution: DataWharf's APIs

The travel management company subscribed to the DataWharf Enterprise Suite to enhance its capabilities, drawing on the data available from:

GB Rail Stations:

Provides comprehensive information about station accessibility features, including the availability of staff, step-free routes and accessible toilets. Rachael uses a travel app integrated with this API to plan her journey and identify accessible stations along her route.

GB Rail Train Service

Scheduled Rolling Stock Type and **GB Rail Rolling Stock** combine to provide a comprehensive dataset on the train that is scheduled to run a particular service, including information on accessible features. Rachael's app utilises this API to provide guidance on which service to take to benefit from the enhanced passenger facilities on the journey.

Rachael's Journey

Using her accessible travel app, Rachael plans her trip from her arrival at Glasgow Central to visiting major attractions like Kelvingrove Museum. She inputs her travel details and preferences into the app. The app, powered by the **GB Rail Stations** API, provides Rachael with detailed information about accessible routes, availability of lifts, and locations of accessible toilets at each station. The **GB Rail Train Scheduled Rolling Stock Type** and the **GB Rail Rolling Stock** feeds combine to provide information on the next stage of her journey, potentially giving her the option of travelling on a subsequent, more accessible service from Glasgow Central.

The Impact

Increased Independence

Rachael navigates the busy Glasgow transport system with confidence, relying on accurate and detailed accessibility information provided by DataWharf's APIs.

Reduced Anxiety

Real-time updates and guided navigation reduce Rachael's anxiety about potential disruptions, making her journey smoother and more enjoyable.

Enhanced Experience

Rachael's ability to access detailed station information enhances her overall travel experience, allowing her to focus on enjoying her trip.

Confidence

DataWharf's APIs empower Rachael to travel independently, reinforcing her sense of autonomy and adventure and making her feel more confident about planning future trips.