



The State Competence Center ITS Austria West was founded in 2011 as part of the programme “Making local public transport more attractive – technical basis” of the Climate and Energy Fund (KLI.EN). Business and research partners teamed up to develop an integrated transport data platform for the State of Salzburg and the State of Upper Austria. Each of the different projects focuses on a specific area of the integrated traffic data platform.

An integrated traffic data platform represents a major milestone on the road to intelligent transport systems (ITS). The purpose of an integrated traffic data platform is to integrate all relevant traffic data from a wide range of sources, process the data and make it available via dedicated interfaces to transport information systems such as Traffic Information Austria (VOA). Therefore, one of the key objectives of the traffic data platform is to generate a real time overview of the regional multi-modal traffic situation. The real-time traffic situation report forms the basis for any dynamic traffic information service and for adaptive traffic control.

The areas for which ITS Austria West is responsible are GIP, traffic information, information services, traffic management and project development.

### **GIP**

The GraphIntegrationPlatform (GIP) is a multimodal route graph that serves as basis for the integrated traffic data platform. The tasks of ITS Austria West mainly include project management for the creation and upgrades of the graph in the State of Salzburg as well as quality assurance to ensure routing capability. Another key task involves the integration of Salzburg's traffic route graph with the Bavarian traffic route graph, whose structure is based on the INTREST model. The main objective is to create interfaces for the exchange of data.

### **Traffic information**

The aim is to provide traffic information on the traffic data platform based on the GIP. For its multi-modal routing, Traffic Information Austria (VOA) requires up-to-date travel times and travel time forecasts as well as level-of-service (LOS) indicators. This data is provided using an internet-ready traffic model operated by ITS Austria West. ITS Austria West serves as the hub for all traffic-related data.

### **Information services**

Another objective is to develop new information services and centres for departments of the regional governments, authorities and municipalities and make them available on an ongoing basis. These networked systems have the ability to simplify individual work procedures in the administration.

### **Traffic management**

The data generated by ITS Austria West also serves as input for comprehensive traffic management. The data can be implemented in the traffic computers of the cities of Salzburg and Linz. For Salzburg, several projects have already been approved to improve the flow of traffic in the city centre and control traffic light systems in accordance with the traffic situation needs. ITS Austria West serves as the data supplier for the cities and as link to Austria's states.

### **Project development**

New research and development projects aim to continuously improve traffic management in the participating states of Austria. For these projects, ITS Austria West will be responsible for project control and coordination of the participating states.

In future, intelligent transport systems will contribute substantially to ensuring our mobility over the long run. The key challenges are: shifting the growing traffic volume to other means of transport, achieving a more balanced utilisation of the infrastructure and providing road users with up-to-date traffic information.

### **Project period**

1 October 2011 – 31 March 2014 (30 months)

### **Participating organisations**

Salzburg Research (coordination), RISC Software (Upper Austria), Logistikum Steyr (Upper Austria)

### **Homepage**

[www.its-austriawest.at](http://www.its-austriawest.at)

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