



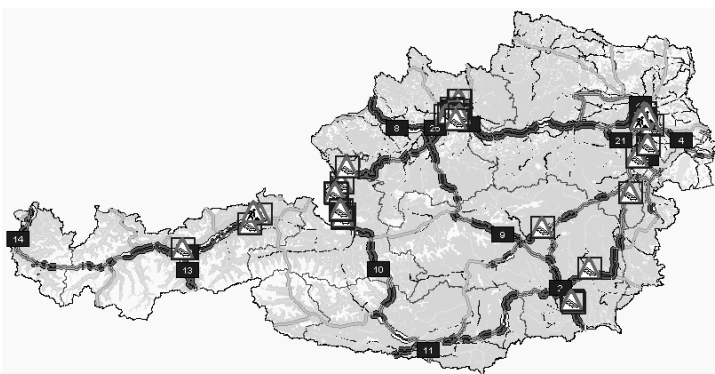
Traffic Information

If Congestions Could Think, They'd Talk to You ...

REFERENCE

VMIS IT & Centre Technology

ASFINAG, Austria



SAMPLE PROJECT

→ VMIS –Traffic management and information system from ASFINAG

As nation-wide traffic centre, VMIS is responsible for Austria's entire highway network. Besides the classic traffic situation assessment and control tasks of a management centre, up-to-date and accurate traffic information ranks amongst the system's main features.

On the one hand, traffic information is automatically generated from a nation-wide data acquisition system with traffic and environment condition sensors. On the other, connections exist to diverse domestic and foreign systems over which the relevant information is transferred into the system. Integrated road work management makes available all work sites, including short-term work sites, continually updated. The traffic information editing function allow for additional manual entry and modifications. Information dissemination occurs over the internet as well as through data links to foreign control centres and service providers like the Austrian broadcasting company (ORF). The IT & Centre Technology project is conducted in consortium with Siemens AG Austria. Heusch/Boesefeldt developed the project's kernel software for the traffic management and information centre (incl. an integrated user interface) as well as the sub-centres' traffic control software.

The Multi-modal Information and Management Platform for Traffic

- **Everything you need to know:**
traffic jams, work sites, events, travel times
- **Flexible and interoperable**
ALERT-C, DATEX II, OGC®-WMS, WebServices
- **Predicting**
what will happen – reliable pre-trip information

CHARACTERISTICS

Acquisition of all available information

- connecting to corresponding centres of local authorities, adjacent regions and neighbouring countries
- fully automated predictions for pre-trip information
- manual input of additional information (see traffic information editing)

Traffic information editing

- management of all available information and data in the system
- manual entry and processing of traffic information
- software supported information management workflow

Information dissemination

- information transfer to recipients like service providers, broadcasters
- interface standards support (ALERT-C, DATEX II, etc.), simple expansion on top of specialised interfaces.
- information dissemination to end users over the internet, e.g. via dynamic, interactive maps, Google™ Maps Mashup, ...

