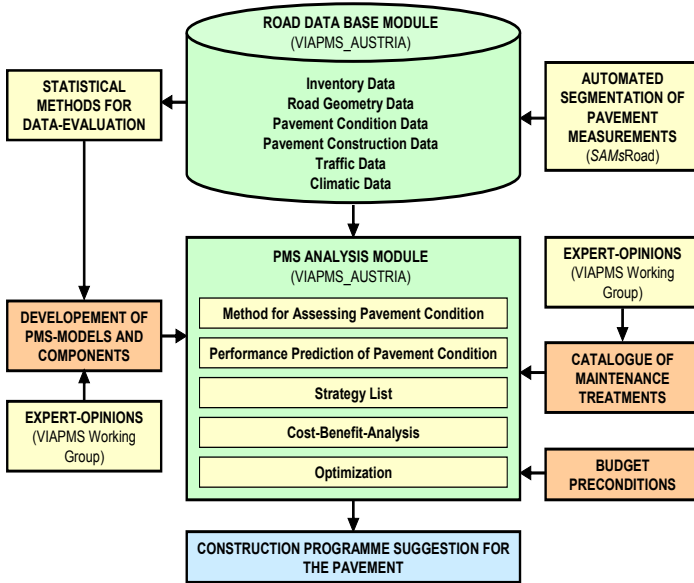
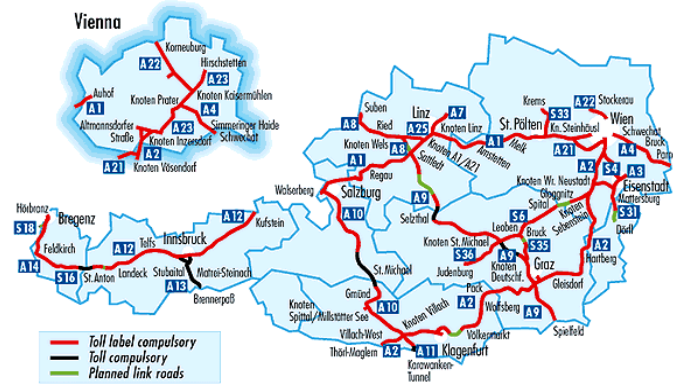


# Business Case: Austrian PMS

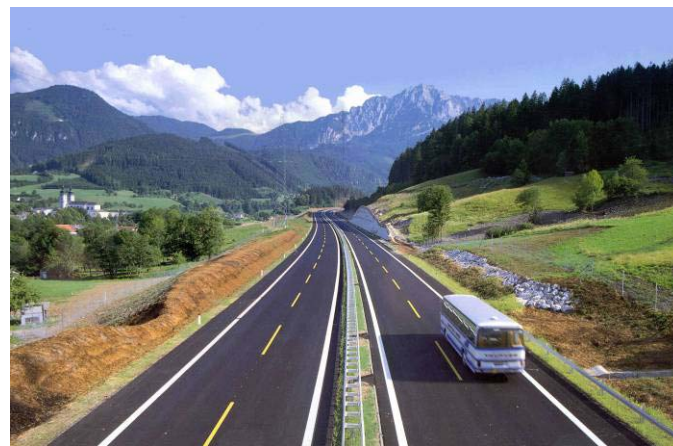
Since 2001 the Austrian motorway company ASFiNAG (Autobahn- und Schnellstrassen-Finanzierungs-AG) uses dTIMS CT to harmonize its road maintenance systematically and to improve the efficiency of maintenance strategies on Austria's 2'000 km of motor- and expressways.



By implementing an **Austrian PMS with dTIMS CT**, the ASFiNAG, in conjunction with the Federal Ministry of Transport, Innovation and Technology (BMVIT), took a first step in 1998 toward optimizing the allocation of the usually scarce funds provided in the budget for the maintenance of Austrian motor- and expressways. After the development phase of approx. three years (database and analytical tools), the system was set into operation in spring 2001. Meanwhile the Austrian PMS application can refer back to experiences over many years and today it is an accepted and approved tool to manage Austria's road network.

## At a glance

- ✓ Practical experience in PMS and practice of dTIMS CT since 1998
- ✓ Application of dTIMS CT for Austria's entire major road network
- ✓ Development and execution of an Austrian PMS Application
- ✓ Field testing and long lasting research into performance prediction models, data evaluation, PMS-models etc.

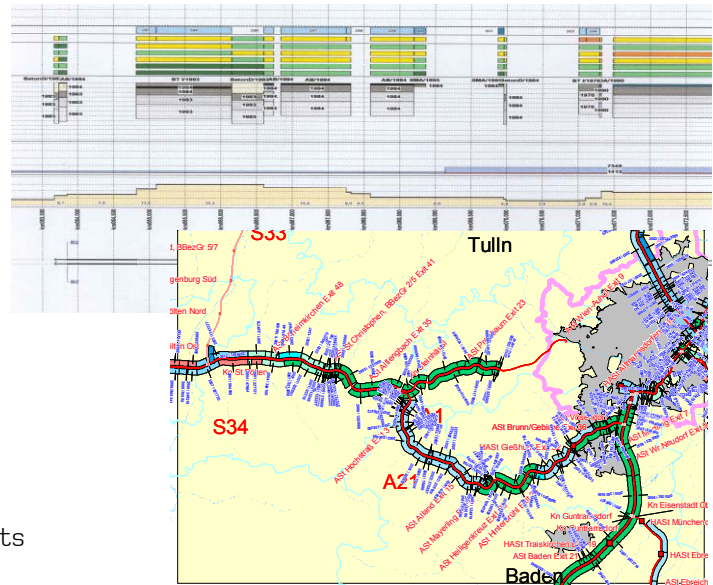


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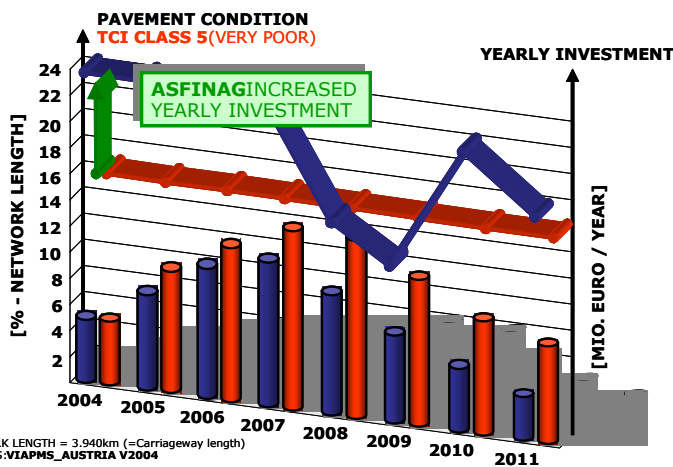
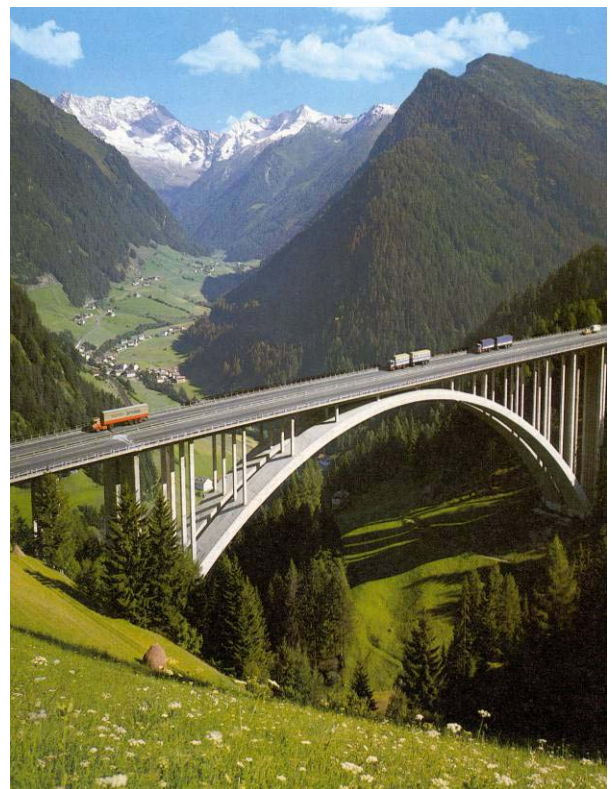
# Austrian PMS' Key Aspects



Input data: RoadSTAR Measurements



- 1. Efficient dTIMS CT based database
- 2. Austrian performance indicators for road pavements
- 3. Algorithm to create road segments featuring homogeneous pavement conditions
- 4. Performance prediction models and section-based calibration of deterministic performance functions
- 5. Life cycle cost analysis and selection of the most efficient treatment strategy
- 6. Visualization tools coordinated to user defined needs, basics for construction programmes
- 7. Definition of maintenance objectives
- 8. Further Development of PMS models and components



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# PMS

## CONSULT

PMS-Consult . Karlsgasse 5 . A-1040 Wien . Austria  
Phone +43 699 19 47 44 22 . office@pms-consult.at  
www.pms-consult.at

# viagroup

Viagroup GmbH . Technoramastrasse 10 . CH-8404 Winterthur . Switzerland  
Phone +41 52 244 33 02 . Telefax +41 52 244 33 07 . info@viagroup.ch  
www.viagroup.ch