

# National Traffic & information Control Center

One country - one control center

“With the implementation of the ASFINAG center, Austria has taken on an ambitious project to enhance traffic safety by means of the latest technology innovations available.”



The impressive Barco video wall in the Wien Inzersdorf Traffic Control and Information center helps to manage Austria's traffic increase and enhance traffic safety and efficiency.

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## Monitoring Austrian traffic

The Austrian, state-owned company ASFiNAG Verkehrstelematik GmbH plans, finances, builds, maintains and operates Austria's network of motorways and expressways with a total length of some 2,100 km, including roughly 160 km of tunnels and almost 210 km of bridges.

The traffic growth of the last decade has led to overload on the road, particularly in the agglomerations. For the Austrian government and ASFiNAG, there's a great challenge to increase road safety and efficiency, decrease travel time and come to smaller accident susceptibility. In 2004, system integrator Siemens was contracted by the Austrian government to provide a complete solution for the traffic monitoring of the whole of Austria. The resulting Traffic Control and Information Center in Wien Inzersdorf is a central control facility actually covering the entirety of Austria, including several traffic control facilities across the country.

For the visualization part of the central control room in Wien Inzersdorf, Siemens relied on Barco, with whom the company already has a long-term relationship for the development and delivery of traffic monitoring and visualization solutions.

## Large amounts of video feeds

The impressive Barco video wall in the Wien Inzersdorf control room covers some 18m<sup>2</sup> and consists of 24 display cubes of 50" in an eight by three set-up. The video wall presents a mix of digital maps and video information. To control the traffic flow, 800 traffic control facilities and 1,400 video cameras were planned to be installed on the entire high-ranking road system by 2008. All this video information is presented onto the control room video wall to a 12-man crew that is operational on a 24/7 basis. The video feeds are managed by Barco's high-performance Transform video wall controller. The controller also contains Barco's streaming video cards, which offer unparalleled performance for the simultaneous processing of large amounts of streaming video signals in real time with minimal latency.

## The bigger picture

With the implementation of the ASFiNAG center in Inzersdorf, Austria has taken on an ambitious project to enhance traffic safety by means of the latest technology innovations available. Barco certainly fits into that picture, as it was able to offer system integrator



Siemens an all-in-one, totally digital visualization solution.

The direct control of the combined regional traffic control facilities takes place through so-called subcenters, which are self-sufficient and can take over in case of a communication loss with the national control center. In the traffic control center the data of all measuring devices off the sub centers of Austria, are combined, analyzed and completed with external traffic, environmental and weather information.

The facility reacts fully automatically to predefined traffic conditions and operates indicator programs. Additionally, control room operators can intervene manually and evaluate the traffic situation with the help of video images.



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