

MyHighway

Traffic Control



The Intelligent Traffic Control for High-Performance Roads

Coping with high traffic loads

The traffic management software **MyHighway** counteracts heavy traffic congestion on motorways and expressways by dynamically reacting to changing road, weather and traffic conditions and regulating traffic accordingly.

Intelligent traffic management

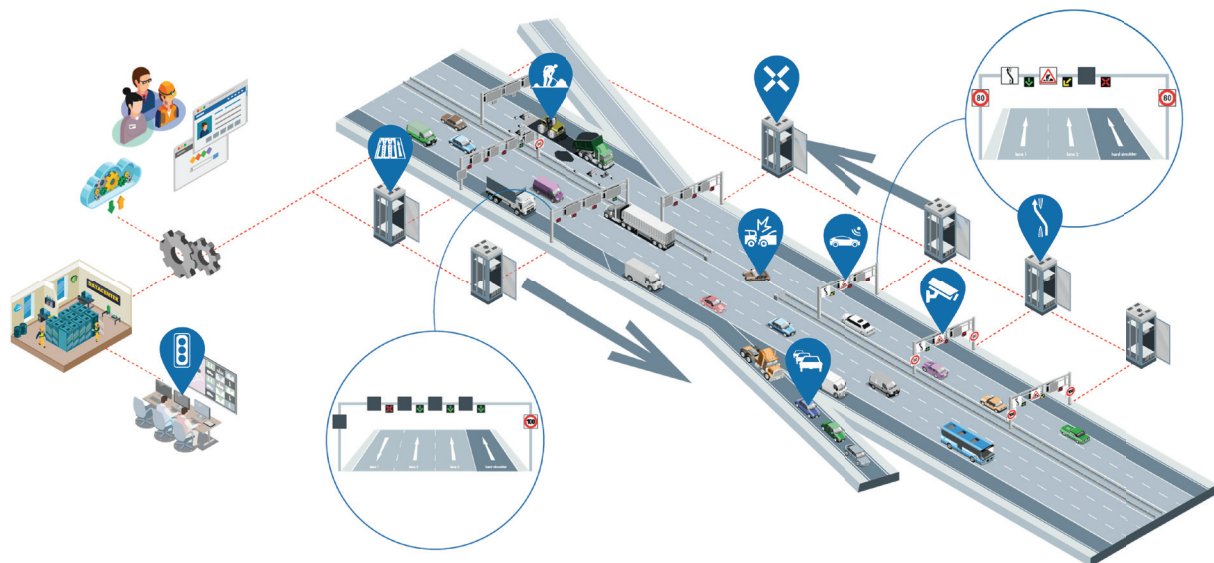
Intelligent traffic management increases traffic flow by temporarily increasing road capacity, resulting in shorter idle and travel times. In addition, the fast and responsive signaling to road users increases road safety in dangerous situations.

Dynamic measures

Dynamic measures, such as adjusting and harmonizing traffic speeds or the temporary use of hard shoulders, actively regulate traffic depending on the current situation.

Shorter travel times – lower environmental impact

The intelligent traffic management system **MyHighway** mitigates peak loads, reduces traffic jams and subsequent accidents and makes a sustainable contribution to more environmentally friendly transportation.



Traffic management



Traffic jam notification



Accidents notification



Lane control



Lane closure



Traffic measurement



Temporary use of hard shoulder



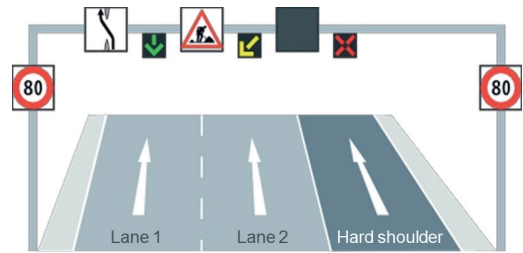
Road construction work



CCTV monitoring

Advanced control logic

A large number of sensors and detectors, installed at regular intervals along the road, monitor the traffic and transmit their measurement data continuously to the **MyHighway** traffic management system. With state-of-the-art control logic and real-time analysis and processing of traffic data, traffic is actively controlled across multiple road sections and the entire infrastructure.



Shortening response times

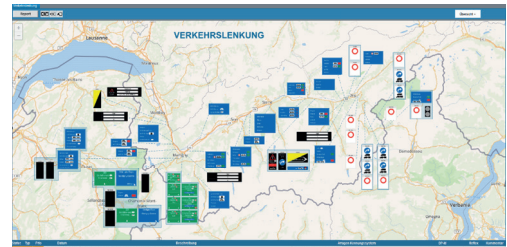
Intelligent algorithms help operators in the higher-level traffic control centers to react immediately to changing traffic conditions.

Automatic and semi-automatic intervention

A variety of automatic and semi-automatic measures support the optimization of traffic flow and defuse critical situations such as traffic jams and accidents before they even occur. The measures are implemented directly via dynamic variable message signs, which show road users the speed limit as well as upcoming detours and lane closures. The status changes of the displays are controlled directly from **MyHighway** and are also automated.

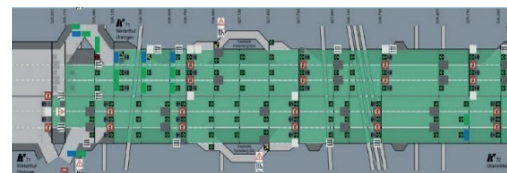
Visualization in real time

The user interface displays the traffic situation in real time and realistically depicts the status of the entire system. Dedicated, interactive map and section views provide operators with a comprehensive overview. At the same time **MyHighway** offers innovative tools for direct intervention in the traffic situation.

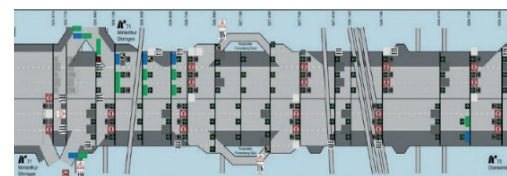


Detailed route views

In addition to the superordinate map view, schematic section views provide a picture of the system and show the current status of the variable message signs for all lanes simultaneously. In addition, the operator has the option of previewing signals yet to be switched.



The visual separation of the active signal states and the preview and simulation of the proposed switching states increase the efficiency and safety of the overall system.






MyHighway

THE SOLUTION AT A GLANCE

-  Central software platform for monitoring and controlling high-performance roads and highways
-  Optimization of the traffic flow improves the traffic situation
-  Intelligent data analysis and processing as well as control algorithms for recording and controlling the traffic situation
-  Alleviating peak loads and traffic congestion
-  Reduction in idle and travel times to reduce environmental impact
-  Speed harmonization and hazard warning, convenient and timely traffic control in the event of accidents, incidents and construction work
-  Advanced management of access and user rights
-  High level of integration and user-friendliness
-  The option of a hosted solution-as-a-service to reduce investment costs

ADDED VALUE FOR OPERATORS

-  Future-oriented software architecture with tried-and-tested technologies
-  Web-based solution eliminates the need to install software on the end devices
-  Redundancy for increased reliability and resistance to attacks and manipulation

Bergauer – The experts for traffic control and infrastructure management.

The traditional Swiss company Bergauer focuses on integrated solutions for the secure operation of technical systems in public infrastructures. Bergauer has many years of experience in integrating complex and heterogeneous traffic management systems.

As part of the international SWARCO group, Bergauer has the technology and experience to accompany and support operators of transport and building infrastructure on their way into the digital future.



www.bergauer.ch

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