



MyHighway

The smart traffic control for high performance roads

Counteracting high traffic loads

The traffic management software **MyHighway** counteracts high traffic loads on highways and freeways by dynamically reacting to changing road, weather and traffic conditions and by regulating the traffic accordingly.

Intelligent traffic management

Intelligent traffic management increases traffic flow by temporarily expanding road capacity, resulting in reduced queuing times and consequently shorter travel times.

Furthermore, the fast and responsive signaling to road users increases traffic safety in acute danger situations.

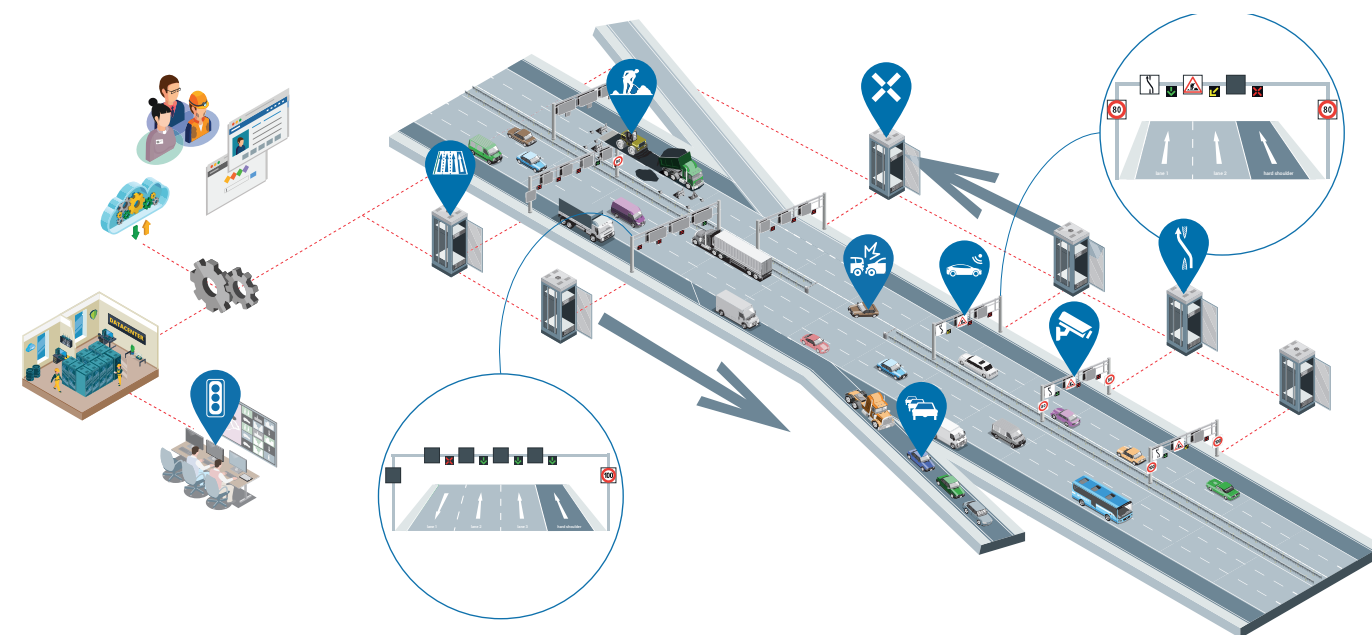
Dynamic measures

Dynamic measures, such as the harmonization of traffic speed or the use of hard shoulders, regulate traffic actively and depending on the current traffic situation.

Shorter travel times - reduced environmental impact

The intelligent traffic management system **MyHighway** defuses peak loads, reduces congestion & subsequent accidents and makes a lasting contribution to more environmentally friendly traffic.

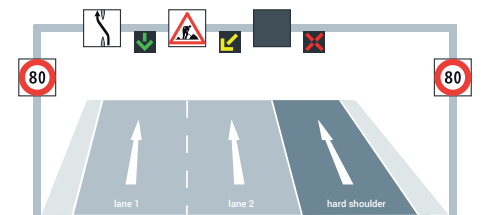
Through the central control and management of traffic, problematic stretches of road can be flexibly relieved and travel and idle times reduced, which directly contributes to a reduction in air pollution.



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|--|--------------------------|--|---------------------|--|----------------------------|
| | Traffic management | | Lane control | | Temp. use of hard shoulder |
| | Traffic jam notification | | Lane closure | | Road works |
| | Accident notification | | Traffic measurement | | CCTV Monitoring |

Advanced control logic

A large number of sensors and detectors, which are installed at regular intervals along the road, monitor the traffic situation and continuously transmit their measurement data to the **MyHighway** traffic management system.



Using state-of-the-art control logic and real-time analysis and processing of traffic data, traffic is actively managed across multiple road sections and the entire infrastructure.

Shortening response times

MyHighway's intelligent algorithms help operators in superordinate traffic control centers respond immediately to changing traffic conditions.

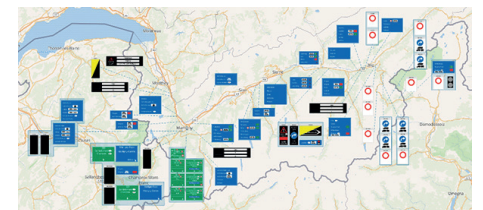
Automatic and semi-automatic intervention

MyHighway offers a range of automatic and semi-automatic measures that optimize traffic flow and mitigate critical situations, such as congestion and accidents, before they even occur.

The measures are implemented directly via dynamic variable message signs, which indicate the maximum permitted speed as well as upcoming detours and lane closures to the road users. The status changes of the displays are controlled directly from **MyHighway** and are also automated.

Real-time visualization

The **MyHighway** user interface provides a real-time display of the current traffic situation and maps the state of the entire system instantly and realistically.

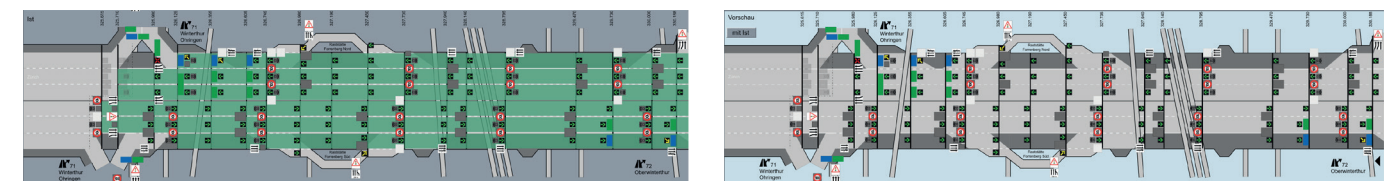


Dedicated, interactive map and section views give operators a comprehensive overview while providing innovative tools for direct intervention in traffic events.

Detailed route views

In addition to the higher-level map view, schematic section views provide an even more detailed picture of the system and clearly display the current status of variable message signs for all lanes simultaneously.

In addition, the operator has the option of previewing future signals, i.e. signals that are yet to be switched.



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

MyHighway



THE SOLUTION AT A GLANCE



Central software platform for monitoring and controlling freeways and high-performance roads



Optimization of traffic flow improves the traffic situation



Intelligent data analysis and processing as well as control algorithms for recording and controlling the traffic situation



Mitigation of peak loads and traffic jams



Reduction of standing and driving times to reduce environmental pollution



Speed harmonization and hazard warning, convenient and immediate traffic control in case of accidents, incidents and construction measures



High integrability and user-friendliness of the software solution



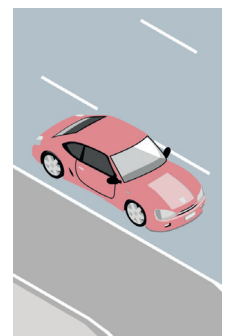
The option of a hosted solution as-a-service to reduce investment costs

ADDED VALUE FOR THE ROAD USER

Traffic optimization reduces congestion, hazards and disruptions

Intelligent traffic management improves traffic flow, shortens travel times and increases safety

Relieving road congestion provides less stress and a more relaxed climate in road traffic



Bergauer AG is a traditional Swiss company focusing on integrated solutions for the secure operation of technical systems in public infrastructures.

We have many years of experience in the integration of complex and heterogeneous traffic and infrastructure management systems.

As part of the international SWARCO Group, we have the know-how and technologies to support operators of urban and municipal transport and building infrastructures on their way into the digital age.

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