

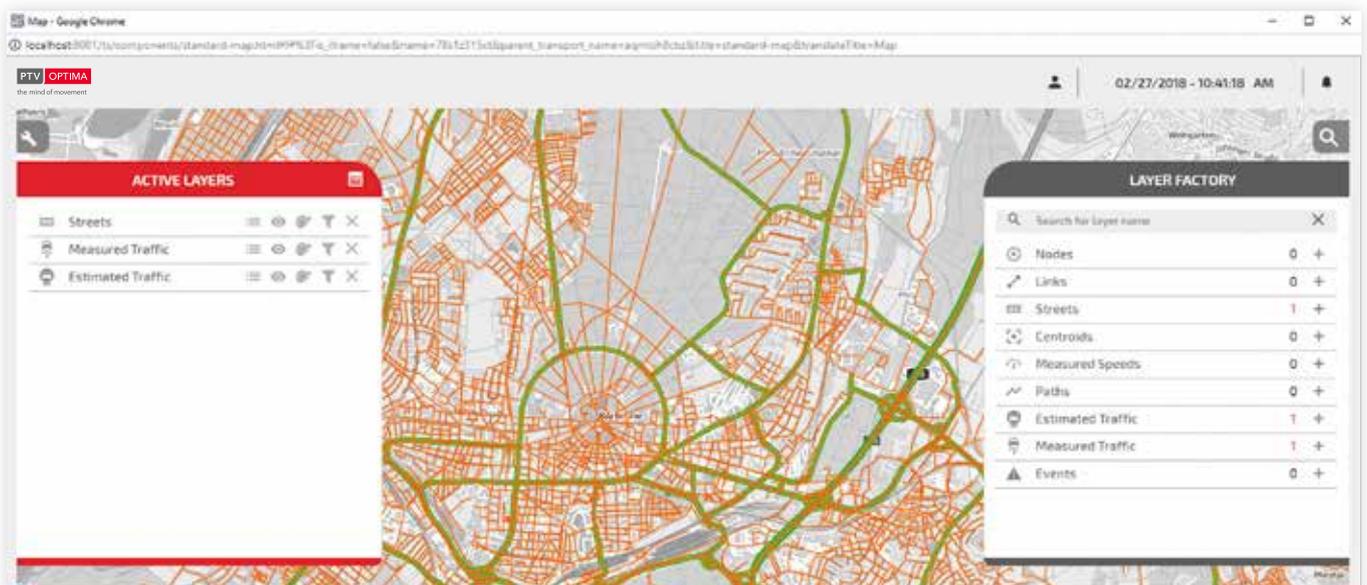
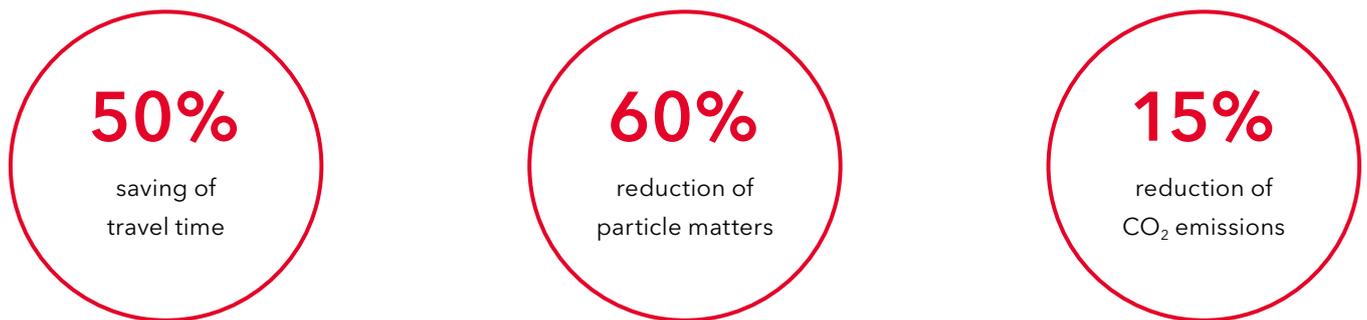
How does Vienna rank the highest for quality of living eight years in a row?

Discover how **PTV Optima**
realises your city's full potential.

Manage traffic in real-time

Vienna's citizens benefit from a high quality of life. They spend less time stuck in traffic or searching for a less congested route to reach their destination. The city makes the best use of its road network with the real-time traffic management software PTV Optima.

The model-based solution offers detailed forecasts for the entire traffic system for the next 60 minutes. It also predicts the effects of different traffic management measures helping operators to always take the right strategic action at the right time.



Real-time scenario evaluation to create different traffic management strategies

PTV Optima enables traffic management teams to keep in full control of a city's network.



Use cases

Reliable information about the current traffic state

PTV Optima produces a detailed picture of the current traffic condition by collecting, validating and combining traffic data from various sources, including detector information, FCD, ANPR, and accident and construction site information.

Real-time traffic forecasts

By combining real-time data with a model-based simulation approach, PTV Optima delivers traffic forecasts for a time period of up to 60 minutes. This allows the simulation of future traffic conditions and the effects of various combinations of traffic management measures.

Decision-making process

PTV Optima calculates several combinations of strategies simultaneously. To execute the best strategy to maximise the traffic management goals, PTV Optima offers the possibility to assess in real time the possible set of counter actions.

Straightforward and user-friendly interface

PTV Optima has been developed and designed with the user in mind featuring a straight forward interface. This helps traffic management centres to quickly develop scenarios and turn them into effective operative actions.

Benefits

Real-time traffic forecasts

Monitor your entire network despite a limited amount of data and receive detailed forecasts for a period of up to 60 minutes – even for unforeseeable situations.

Reliable traffic management decision support

To evaluate which action is the best and should be executed for a current, upcoming or specific event, PTV Optima offers KPI based scenario evaluation.

Easy integration into existing traffic management solution

PTV Optima can be connected to your traffic computers. Supported industry interfaces and customer friendly APIs allow seamless and flexible integration.

About PTV Group

PTV Group takes a holistic approach that integrates all aspects of traffic, transport and logistics to create and promote sustainable mobility. Recognised as global market leader, PTV develops intelligent software solutions for transport logistics, traffic planning and traffic management.

Thus cities, companies and people save time and money, enhance road safety and minimize the impact on the environment. Based on its unique expertise in every facet of mobility, PTV ensures that people and goods arrive at their destinations safe and sound, and on time.



PTV Optima at a glance

- ▶ Bundling different data sources for a detailed picture of the current traffic state
- ▶ Traffic estimations for the entire network including non-monitored roads
- ▶ Traffic forecasts based on real-time and dynamic model data
- ▶ Traffic management decision support by evaluating different scenarios and their effects

By deploying PTV Optima cities minimise congestion and increase the quality of life for their citizens.

For more success stories go to: ptv.to/optima

An aerial night photograph of a city, showing a dense grid of buildings and streets. A prominent feature is a multi-lane highway or expressway that runs diagonally from the top right towards the bottom right. The highway is filled with traffic, creating long, bright, and colorful light trails in shades of orange, red, and white, indicating heavy congestion or a traffic jam. The surrounding city is illuminated by various lights, including streetlights and building lights, creating a vibrant, textured background.

What if you could
eliminate traffic jams
before they arise?

PTV Group

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