



# PTV Vistro

All-in-one traffic  
engineering software.

# Traffic Impact Analysis & Signal Optimization Software

Ideal for traffic engineers and transportation planners, PTV Vistro delivers the best combination of traffic signal analyses and traffic impact studies meeting industry standards like the Highway Capacity Manual. Easily optimize and balance networks of signalized and unsignalized intersections and roundabouts. PTV Vistro smooth workflows, scenario management, and automated reporting features save you time and eliminate errors.

## Your Benefits



### Hassle-free network building & optimization

The best network editor to quickly build beautiful traffic models with high-quality graphics



### Save time and money

Create your networks on satellite web maps with a real coordinate system and connect with PTV Vissim & Visum



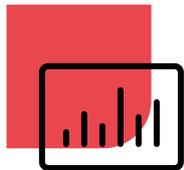
### Rapid buildout

Optimize your city's traffic signal network with our OSM and UTDF imports, file merge, and update features



### Optimize your project experience

With an intuitive user interface, smart workflows, powerful graphical results, and next-level analyses



### More analyses and accepted results

PTV Vistro brings you more approved industry methods like HCM and ITE than any other urban street design tool



### Always up to date

We continuously pack PTV Vistro with key features to meet your needs and industry trends

## A selection of PTV Vistro references



Montréal 



 Valley Transportation Authority

# Key Functions

## Flexible traffic signals workflows

Easily set up fixed-time, semi- and fully actuated, and free running controllers. Create new signalizations in one click and automatically calculate recommended cycle lengths, splits, and pedestrian crossing intervals.

## Leading pedestrian intervals and phases

Strike a balance between pedestrian, bicycle, and vehicular traffic. PTV Vistro stands above the competition, requiring no additional signal phases to fool the software.

## Intersection, network, and routing optimization

PTV Vistro delivers intelligent traffic signal optimization at individual intersections, for districts or across an entire network. Use the fair-share analysis tool to allocate improvement costs across projects.

## Traffic impact analysis made easy

Quickly evaluate Traffic Impact Analyses (TIAs) to generate, distribute, and assign new project trips from your proposed site. Allocate improvement costs and evaluate the impacts of trips over time. PTV Vistro automatically integrates with ITE's TripGen database for a seamless experience.

## Automatic reporting and KPIs

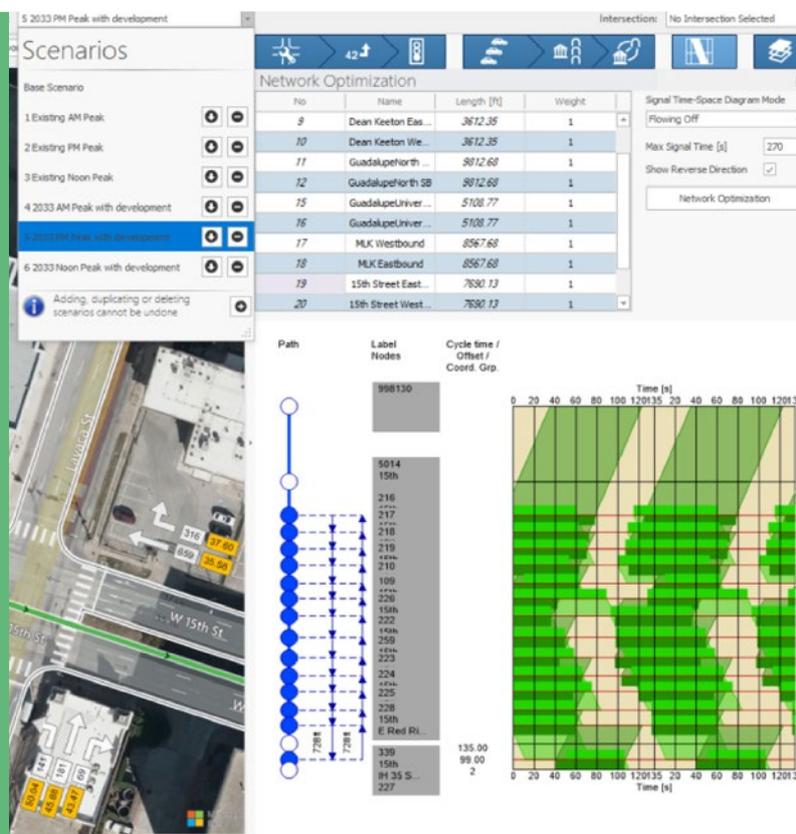
PTV Vistro's reporting tools provide you with customized summaries, traffic figures, and full-page details. Time-saving result tables are always up to date with project info, reducing errors and eliminating the need to post-process information.

## Instant visual output

Colorful visual feedback and KPIs help you assess every impact and find the right solution. Easily visualize your time-space diagrams (TSD) for traffic signal network coordination and optimization.

## Powerful scenario and mitigation management

PTV Vistro's integrated and smart Scenario Management enables you to build unlimited time-of-day models, alternatives, and future-year forecasts - all in one user-friendly file. When adding new intersections or making changes to volumes, signal timing, or geometry in the base scenario, PTV Vistro automatically updates the other scenarios. Also, PTV Vistro enables you to create 99 easily comparable mitigations per intersection. This virtual sandbox empowers you to explore ideas and find that perfect solution!



# Related Products

## MULTIMODAL TRANSPORTATION PLANNING

### PTV Visum

With PTV Visum, the standard for macroscopic simulations and macroscopic modeling of transport networks and transport demand, public transport planning you create transportation models that provide insights for long-term strategic planning and short-term operational use.



## MULTIMODAL TRAFFIC SIMULATION

### PTV Vissim

The world's leading multimodal traffic simulation software PTV Vissim digitally reproduces the traffic patterns of all road users. Trusted by planners and engineers around the globe, PTV Vissim evaluates and improves the performance of your traffic facilities.

## ADAPTIVE SIGNAL CONTROL

### PTV Balance & Epics

Optimize traffic light control at individual intersections and across entire networks with the adaptive traffic control systems for better traffic flow, reduced travel times and congestion for all road users, fewer emissions, and less noise.

