

PTV **VISSIM**

the mind of movement

**WHAT KEEPS
TRAFFIC FLOWING?**





PTV VISSIM!

It's a good feeling to know in advance whether a plan will work, especially when transportation is involved. That is why public sector agencies, consultants and universities rely on PTV Vissim's highly realistic and detailed simulations for transportation planning and operations analysis.

USE CASES:

ARTERIAL SIMULATION

- ▶ Model any intersection geometry based on flexible link framework
- ▶ Simulate interaction of all modes
- ▶ Analyze queuing characteristics and spillback
- ▶ Verify and fine tune signal timing parameters based on arrival patterns

FREEWAY SIMULATION

- ▶ Model demand using static routing or dynamic traffic assignment
- ▶ Simulate active traffic management and intelligent transportation systems
- ▶ Test and analyze work zone strategies

PUBLIC TRANSIT SIMULATION

- ▶ Model all details for bus, bus rapid transit, streetcar, light rail transit and commuter rail operations
- ▶ Analyze transit specific operational improvements
- ▶ Test and optimize industry standard transit signal priority plans



PEDESTRIAN SIMULATION

- ▶ Model pedestrians in multimodal environments
- ▶ Plan evacuation of buildings and special events
- ▶ Capacity planning and alternative concepts for buildings

FUNCTIONS:

PTV Vissim is the ideal tool for state-of-art transportation planning and operations analysis. The software is designed to assist you in realistically simulating and balancing roadway capacity and traffic demand.

- ▶ Realistic lane geometry
- ▶ Accurately represent the position of all network elements
- ▶ Proven car following model
- ▶ Detailed simulation of lane changing and merging
- ▶ Custom logic using simplified macro language
- ▶ Multiple interfaces for traffic control firmware
- ▶ Emission calculation
- ▶ Animation creation for 2D and 3D presentation

ADVANTAGES:

- ▶ Leading tool for traffic simulation worldwide
- ▶ Modeling at the highest level of detail and complexity
- ▶ When, where and how data are reported is user defined
- ▶ Integrated Multimodal simulation
- ▶ Seamless and integrated with Vision Traffic software suite
- ▶ Industry leading technical support and service
- ▶ Flexible licensing solutions

PTV GROUP

9755 SW Barnes Road, Suite 550
Portland, Oregon 97225
USA

Phone +1 (503) 297-2556

E-Mail sales@ptvamerica.com
vision-traffic.ptvgroup.com

HOW DOES PTV VISSIM FIT INTO THE VISION TRAFFIC SUITE?

