

vs | studio

The Parameterization-Tool for vs | plus



One Tool. Three Flavours.

One Goal: Efficient Parameterizing

vs | studio is the central planning and parameterization tool for the traffic-actuated control method vs | plus.

It provides a modern workplace for creating, modifying, and optimizing vs | plus control systems directly on the PC – structured, transparent, and efficient.

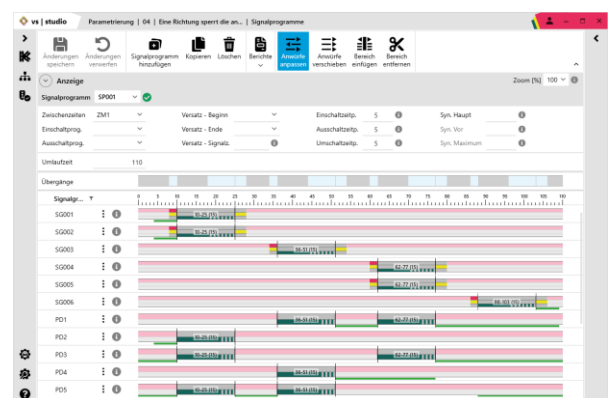
vs | studio supports parameterization from simple small-scale intersections to complex large-scale installations – from entry level to expert level.

Your Benefits with vs | studio

- **Intuitive parameterization**
Planning and development of vs | plus control systems within a clearly structured user interface.
- **Different expansion levels**
Our licensing model includes, among other things, the version "cherry", which provides a free license for viewing completed parameterizations.
- **Seamless integration**
Perfect integration with vs | mate and the entire vs | plus ecosystem.
- **Time and cost savings**
Assistants and validation concepts reduce manual effort and potential sources of error.
- **Learning and project companion**
Suitable from entry level to expert level in vs | plus parameterization.

Typical Areas of Application

- **Creation of the basic supply**
Structured capture of base objects of a traffic light system in accordance with the OCIT standard.
- **Automated parameterization**
Intelligent assistants for automated generation of traffic-actuated vs | plus control systems.
- **Fine-tuning & optimization**
Detailed editing of parameters for targeted traffic flow optimization.
- **Testing, simulation & export**
Preparation of control for testing, simulation with PTV Vissim, and commissioning in the field.
- **Training & onboarding**
Clear workflows and assistants enable rapid familiarization.
- **Creation of MAP files (C-ITS)**
Fast and intuitive generation of MAPEM files for C-ITS applications.



vs | verkehrssysteme

vs | verkehrssysteme ag | neue bahnhofstrasse 160 | ch - 4132 muttenz
phone +41 61 501 41 41 | info@vs-plus.com | www.vs-plus.com



vs | studio – Tailored to Your Needs

vs | studio is modular and adapts its functional scope to your project requirements.

Beginners

Create traffic-actuated controls with the vs | plus wizard and the integrated test bench.

Professionals

Optimize vs | plus parameters in a targeted manner and test and optimize variants directly with vs | mate.

Testing

Use vs | studio with vs | mate to test the vs | plus supplies before commissioning.

Simulation

Use vs | studio as a basis for Vissim simulations and feasibility studies.

C-ITS & MAP

Generate C-ROADS and DIMAP-compliant MAP files directly from the topology in vs | studio.

Intergreen Times

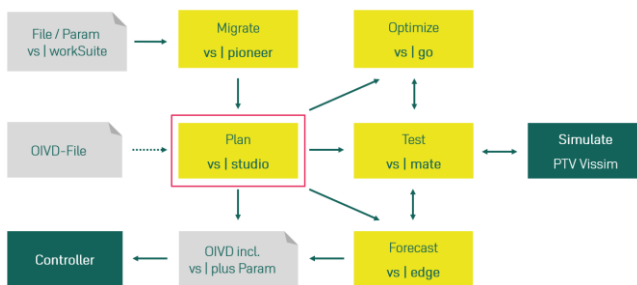
Calculate intergreen times and transfer results to downstream systems or colleagues.

Use vs | studio ...

- as a contracting authority in the free "cherry" version to review completed parameterizations.
- for testing and evaluation purposes or as a controller manufacturer in the "kiwi" version to create the basic supply and generate vs | plus parameterization using the assistant.
- for traffic engineering design in the "mango" version with full access to all vs | plus parameters for targeted optimization.

Seamless Integration into the vs | Ecosystem

vs | studio is a central component of the planning and tool environment of vs | verkehrssysteme ag and creates a continuous workflow from planning to operation of traffic light systems.

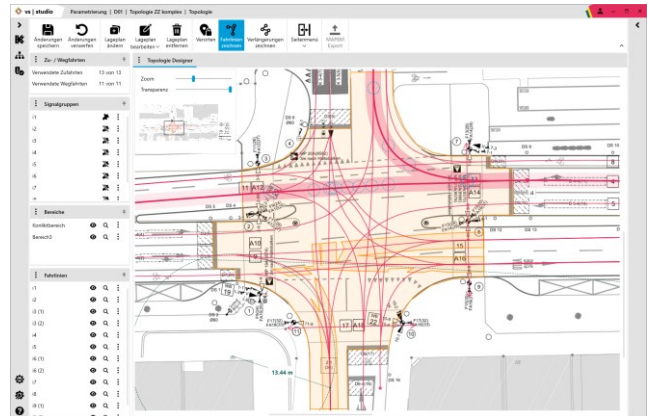


- **vs | plus**
The foundation of traffic light control.
- **vs | mate**
For systematic testing and realistic simulation prior to field operation.
- **vs | go**
For optimization of the control under changing traffic conditions.
- **vs | edge**
For forecasting and advanced operational analyses.

MAP Files

With vs | studio, MAPEM files can be created in accordance with DiMAP and C-ROADS specifications.

These form the basis for C-ITS applications and infrastructure-to-vehicle communication.



Greater Efficiency in the Planning Process

- Increased speed and efficiency
- Automatic updates via online deployment
- Openness and independence from specific planning philosophies
- Input validation to prevent errors
- High flexibility for full and partial traffic dependency

ID-Nr.	Kurzname	RSP01	Name	Bemerkungen
IT 01_01				
IT 02_02				
IT 03_03				
IT 04_04				
IT 05_05				
IT 06_06				
IT 07_07				
IT 08_08				
IT 09_09				
PT 10_02				
PT 11_03				

Future-Proof and User-Oriented

vs | studio is continuously being enhanced. The focus is on usability, stability, and close integration with vs | plus and the other tools.

