

vs | mate

The new, even better performing test bench



Is there an efficient way to test a vs | plus parameterization created by yourself or by the vs | plus assistant? Absolutely, and the solution is vs | mate.

vs | mate is your new solution to efficiently and reliably test vs | plus parameterizations created by yourself or by the vs | plus assistant before the deployment on the road. It offers a comprehensive environment to fully check the functionality, traffic engineering processes and the quality of your parameterization.

Why?

Every traffic control system requires a thorough and reproducible test phase to ensure that it meets the requirements and works smoothly.

vs | mate provides the tools allowing you to perform such tests in a clear and easy way. By inputting detector signals, visualizing processed data, and recording results, vs | mate enables a detailed analysis of your control system.

Functionality

vs | mate is versatile and offers various options for visualization (e.g. synoptics, diagrams), input switches for detector signal stimulation, macros to replay test cases and the recording of results for further use.

vs | mate can be operated in different modes:

1. From within our vs | studio:
Detector input is triggered manually or via macros and the output signals are visualized.
2. From a simulator (e.g. PTV Vissim or AIMSUN):
Detector signals are generated by the simulation and the output signals are returned to the simulator.

What distinguishes vs | mate?

vs | mate is the evolutionary development of our classic test bench vs | test. On top of all the functions of vs | test, it offers a large number of additional and helpful new features:

K3 Knoten Lupfig v00-00-02													
Allgemeines		Zentrale		Verkehrsströme		Parallele Eingänge		Serielle Eingänge					
Name	Zustand	R/G Zeit	Wartzeit	Max. Wartzeit	Rahmen	Zeiger	Nebenstrom?	Ruhebild	QV-Rang	Gmax	PStu		
IT 01_01	16	72	0		17	Anmeldung				30	1		
IT 02_02	10	3	0		33	Anmeldung				15	1		
IT 03_03	10	3	0		27	Anmeldung				25	1		
IT 04_04	1	76	42		52	Anmeldung	PE 1			10	1		
IT 05_05	0	7	0		18	Anmeldung				0	1		
IT 06_06	1	7	4		44	Anmeldung				0	1		
IT 07_07	0	116	0		25	Anmeldung				0	1		
IT 08_08	0	238	0			Anmeldung				0	1		
IT 09_09	0	211	0		6	Anmeldung				0	1		
PT 10_10	0	109	0		30	Anmeldung				0	1		
PT 11_11	0	200	0		26	Anmeldung				0	1		



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- Multiple instances of intersections can now be opened and tested simultaneously with vs | mate. This allows you to compare different intersections on the one hand, but e.g. also to coordinate intersections on a route.

Name	Logischer Eingang	Wartzeit	Max. Wartzeit	Beleg?	Belegungsgrad	Belegungszeit	Zeitlücke	Zeitlücke Brutto
D1.1	D1.1,1	0	14	Nein	0	0	100	100
D1.2	D1.2,2	0	17	Nein	0	0	57	58
D2.1	D2.1,3	23	30	Ja	100	213	0	213
D2.2	D2.2,4	28	33	Nein	0	0	98	101
D3.1	D3.1,5	17	27	Ja	100	160	0	160
D3.2	D3.2,6	19	25	Ja	50	5	0	5
D4.1	D4.1,7	0	51	Nein	0	0	249	249
D4.2	D4.2,8	0	55	Nein	0	0	738	741
D5.1	D5.1,9	0	18	Nein	0	0	111	118
D5.2	D5.2,10	0	10	Nein	0	0	251	253
D6.1	D6.1,11	0	40	Ja	80	446	0	448
D6.2	D6.2,12	0	44	Nein	0	0	32	38
D7.1	D7.1,13	0	25	Nein	0	0	1612	1612
D8.1	D8.1,14	0	0	Nein	0	0	2860	2860
D9.1	D9.1,15	0	6	Nein	0	0	2630	2630
B2ab	B2ab,17	0	0	Nein	0	0	0	0
B2an	B2an,16	0	29	Nein	0	0	0	0
B3ab	B3ab,19	0	0	Nein	0	0	0	0
B3an	B3an,18	0	25	Nein	0	0	0	0

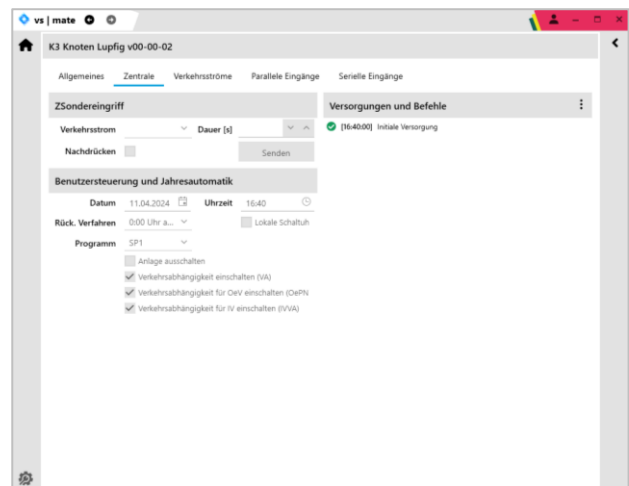
- Process data visualization has been completely revised. We now offer a clear display of all input and output process data in vs | mate. This improves the testing of very complex vs | plus control systems by enabling to efficiently scan the processes and internal states of vs | plus.
- It is now also possible to test a yearly automatic. Either for each single intersection or with a central controller for several intersections. This is a big step forward compared to the past, as the coordination of the intersections can now be fully visualized. The same user interface also allows user-defined operations to test switching intersections on and off or to carry out program changes.
- vs | mate is fully OCIT-compliant and our involvement in the relevant standardization processes ensures that all new vs products support OCIT.
- Do you want to initiate a change of supply or pass a command file to vs | plus? No problem, vs | mate is able to do this and supports you with an appealing user interface.
- Are you eventually looking for a solution for testing dosing solutions (e.g. testing a ramp-meter)? This can also be simulated and visualized with vs | mate.

- If you need to visualize digital outputs (acoustics, ports), vs | mate is able to test your corresponding vs | plus parameterization.
- In addition, vs | mate provides improved application support to the user. E.g. an optimized error message management that directly connects to our online help.

And what does the future hold?

vs | mate is perfectly equipped and fitted for our upcoming forecasting application vs | edge. We already implemented the connecting interfaces and data exchange for training and testing vs | edge self-learning abilities.

Further, vs | mate will soon support processing GPS data. It will therefore ideally be prepared for cooperative intelligent transportation systems (C-ITS).



Conclusion

vs | mate is the ultimate test bench for your vs | plus parameters supply. With its comprehensive functionality, user-friendliness and future-oriented approach, it offers you state-of-the-art possibilities to efficiently optimize your traffic control solutions.

Get started with vs | mate today and take your traffic solution to the next level.

