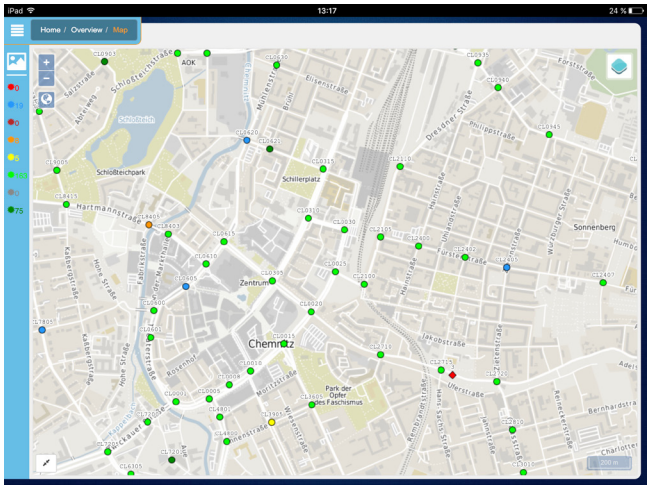
VRS5000-WEB

The New Traffic Management System

Managing traffic in an intelligent way in an inceasingly urbanized world remains a particular challenge. The more efficient use of existing roadway capacities, harmonized traffic flows, emissiorelated traffic contol, the prioritization of public transport means and the focus on pedestrian and cyclist safety are some of SWARCO's approaches to better manage urban mobility.



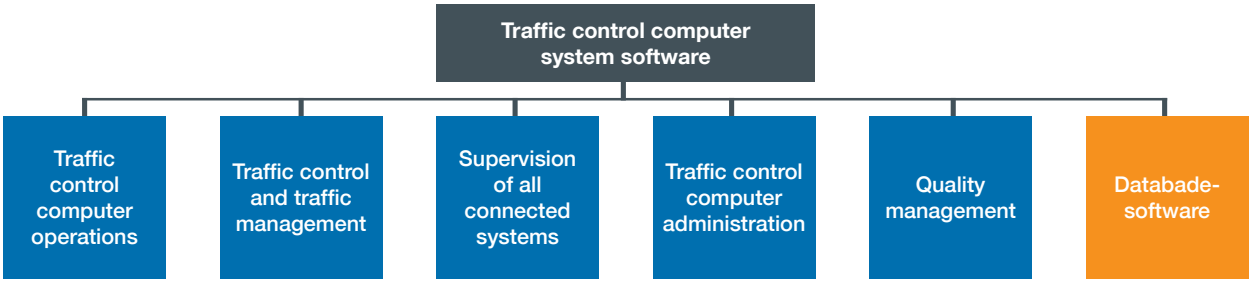
Overview / Map

The volume of traffic is rising - the demand of mobility is increasing. The consequences: conquested town centers, tailbacks, noise pollution and exhaust fumes. City centers lose thier attractiveness. An enlargement of exisitn traffix facilities is ecologically and economically no longer justifiable. Therfore, the efficient use of existing traffic installations is the most important goal.

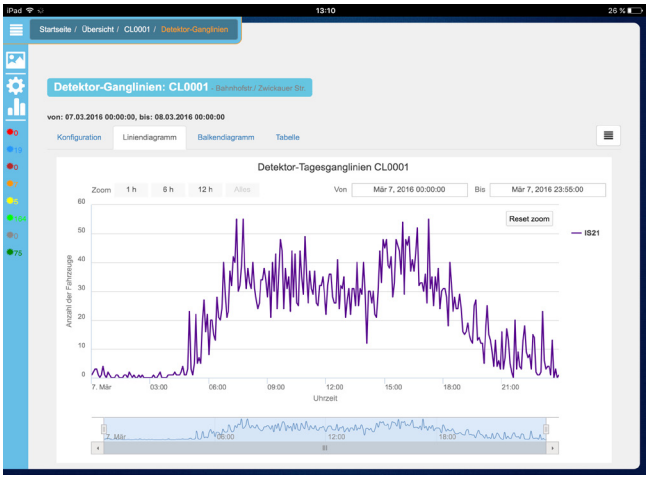
Current and future traffic problems in cities and metropolitan areas require the systematic use of individual and adaptive guidance and information strategies. For these applications, Swarco offers the new VRS5000-WEB Traffic Management System. It enables the implementation of complex control prosceses for urban traffic networks. It can be integrated in superior traffic control technology. This enables not only the control of connected subsystems such as traffic lights and monitoring components, but also the integration of highway management systems and parking management systems. The modular structure and use of the standardized OCIT interface-technology guarantees the problemfree integration of extisting and new systems.

SWARCO Traffic Management Systems minimizes expensive on-site assignements in case of malfunctions and therefore protect against long lasting breakdowns of traffic management and trafic engineering systems at intersections with all safety risks coming along for the road users.

System Overview



Green Wave



Detector load curves

Overview of the VRS5000-WEB interfaces

- OCIT Outstaions (OCIT-O)
  Version 1.1 und 2.0
  Communication profile 1 (point-to-point)
  Communication profile 2 (leased line, also GSM)
- SSI, AM90, DVI35, ASE, GDN
- Interfaces to traffic light systems of the following manufacturers:

SWARCO:	MTC2xxx, MTC3xxx, MTC5xxx, *ACTROS* (various models), M808, M844, M2800 ITC (various models)
Siemens:	STM, EVX, MPX, MPX-E (UCM)
PEEK:	AD570, AD585
AVT:	SZ-M
Stoye:	VSA7800
GRW Leipzig:	L6000 (GDN)

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