

*In the fast lane
to the digital future*



PROCESSING

Recording, administration and processing of geometry, object and condition data



EVALUATION

Condition classification for condition recording according to FGSV, AP 9



ANALYSIS

Dashboards, diagrams and freely definable reports



VISUALISATION

Representation of street data with common GIS and CAD systems

EFFICIENT STREET MANAGEMENT

The planning, construction and maintenance of traffic routes and street infrastructure in general is among the most costly municipal investments. That is why documenting and maintaining the data for this infrastructure for ongoing use is particularly important. The network information system BaSYS with the BaSYS Street module offers comprehensive functions for infrastructure planning and management, and supports using the information for above-ground street networks in the direct context of below-ground supply and disposal networks as the basis for interdisciplinary municipal infrastructure management.

CADASTRE

With the BaSYS Street module, control and net data can be recorded and edited based on a node-edge model. Traffic areas can be carried out as line objects (with or without stationing) or as polygons of any form. The layer structure can be documented for each traffic area. Street inventory such as traffic lights, street lamps or traffic signs can also be recorded and administered.

USER INTERFACE

Detail forms with a clear layout are used for data administration. Hierarchical navigation provides direct access to referenced data ranges. The integrated Network Navigator supports rapid and straightforward visualisation of the traffic infrastructure and bidirectional communication with the object data of the street objects.

INTERFACES

The flexible, adaptable import interface supports the import of files of various sizes with numerous characteristics in the Shape and ASCII format. For example, the complete results of a stereometric camera recording with exact geometry data, object data and traffic area conditions can be transferred using the import interface. A freely configurable Shape interface for data delivery is available as well.

CONDITION AND EVALUATION

Condition data from visual condition recording according to EEMI2012 can be recorded for specific areas, assigned and administered with history. Results of street inspections according to the legal duty to maintain safety can be maintained with location references.

The condition classification based on working paper 9 of the FGSV for visual condition recording is performed with the help of a wizard that determines all required data and ensures a correct condition classification.

VISUALISATION

The administered street infrastructure can be visualised in all leading GIS and CAD systems.

Currently the CAD systems from Autodesk, Bentley, Bricsys and GIS from esri, Hexagon and QGIS are supported. Visualising and editing object data via web services is possible as well.

The extent of the graphical presentation and the thematic design are realised through flexible, adaptable representation models. Geometry and object data are also delivered here in the direct context through the integration of the object data forms into the GIS or CAD system. Thanks to integrated data management, the joint visualisation of the street infrastructure data with below-ground infrastructure data, for example for wastewater networks, can be realised as well.

ANALYSIS

Dashboards, statistical evaluations, diagrams and freely definable reports are available for the analysis of the street infrastructure data.

INDIVIDUAL SOLUTIONS



Complex tasks demand unique solutions. We work with you to develop a concept in order to adapt our products to your individual needs for efficient application. The BARTHAUER consulting team offers advice, training and support from the first meeting to smooth operation in your company.

BARTHAUER MULTI-PLATFORM CONCEPT



BARTHAUER's multi-platform concept is the only one in the world that offers the possibility of choosing the most suitable graphical

interface for the respective task and the right database management system for central data storage with a uniform user interface.

