



# Area Mapping

## Your comprehensive digital cadaster

Digital mapping of the areas in your city is just one of the many services that Cyclomedia offers you in its mobility and traffic package. This digital database is the basis for the development of your city into a city of the future. Only with a reliable, precise and complete survey of the status quo a redistribution of your city can be planned and implemented with a citizen-centered approach. Give the public space back to your citizens and thus increase the quality of life in your city.

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## Area mapping & Smart City

A city of the future will once again focus on its citizens when it comes to urban planning and redistribution of public space:

The public space as an essential element of the urban quality of life should become less traffic-dominated and more a place to stay and meet for all age groups. The traffic areas must be divided more fairly, which should benefit pedestrians and cyclists in particular.

## The procedure

Based on the high-resolution 3D Cycloramas of your city and Street Ortho, Cyclomedia provides you with a digital area mapping and the associated surface classifications.

This information is extracted with the help of algorithms, i.e. automatically within a very short time using artificial intelligence. In order to guarantee you an optimal quality of the data, the results of the data extraction then go through a manual control process again.

**Real Data. True Understanding. Big Impact.**



## Specifications

### Objects & attributes

- Categorization
  - Street / lane
  - Pedestrian zone
  - Hard shoulder (attached / unpaved)
  - Traffic island
  - Sidewalk
  - Bicycle path
  - Rails / track system
  - Green space
- Surface classes
  - Cobblestone / mosaic
  - Paved / concrete / asphalt
  - Slabs / stones
  - Unpaved
  - Train track

### Format

- Each surface as a 2D polygon
- The data record is available in the following file format
  - ESRI Shapefile
- Basic data: Street Ortho

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