

# Mobility & Traffic

## Environmentally conscious, safe and contemporary

While the images were initially used for visualization and measurement, they now serve as an important tool in the development of a city into a Smart City by means of automated object recognition. Based on high-resolution, accurate and georeferenced 3D-Cycloramas, the 360° panoramic images from Cyclomedia, various object information can be extracted, documented and analyzed.



# Mobility & Traffic

**Mobility is one of the most important topics for the city of the future (Smart City Expo, Barcelona) - 92% of the smartest cities are already active in the area of „Mobility and Traffic“. But the question is: WHERE TO START? Do you know how many traffic signs, road markings, traffic lights, street lights, parking lots, bike paths, e-charging stations or school routes you have? What condition are they in? Where exactly are they located? Have you already carried out an area mapping? No? Then start collecting this information now - Cyclomedia will help you create the digital twin of your city.**



## CO2 reduction

You can optimize the air quality in your city through clever traffic control and sufficient parking spaces outside the city in combination with a well thought-out concept for local public transport!

## Road safety

Ensure the safety of pedestrians, people with disabilities, cyclists, motorists, users of public transport, drivers of electric vehicles, heavy transports - for all citizens and visitors of your city!

## Safe way to school

A city must work across generations. The children must also be able to move safely around in the city. Integrate safe school routes into your city's existing infrastructure.

## Creation of green spaces

If the city offers more space for its citizens and nature and less for parked and moving cars, i.e. the public space is divided more fairly again, the quality of life of your citizens will increase!

## Accessibility

A topic that is becoming more and more relevant: lowered sidewalks at stops, escalators or elevators and long enough traffic lights to make it easier for older generations and people with disabilities to get around the city.

## Cycle paths expansion

Offer your citizens a safe infrastructure for non-motorized traffic! This is an important step for the citizen-centered redistribution of public space.

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

## Prerequisite: Cycloramas of your city

During a systematic and comprehensive recording of your city's road network by specially equipped vehicles, 3D-Cycloramas of the surroundings are generated. 3D-Cycloramas are high-resolution and accurate panoramic images from Cyclomedia, which are backed by a LiDAR point cloud.

## Have the traffic-relevant objects recorded digitally and georeferenced

Based on the Cyclomedia recordings, comprehensive digital information for traffic concepts can be generated from the images:

- Traffic sign cadaster
- Street lighting cadaster
- Inventory of road markings
- Area mapping
- Road condition analysis

**cyclomedia**

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