

# Environmentally-sensitive traffic management

Providers of environmental services



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## Check

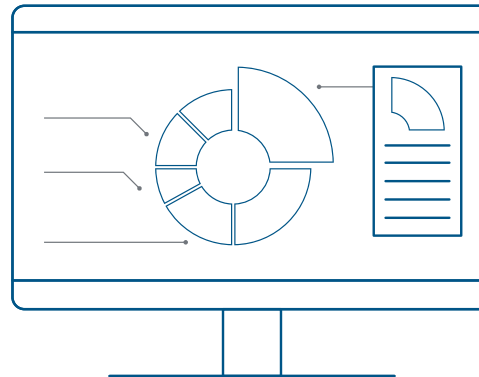
As air quality is influenced by various factors, it is necessary to regularly examine traffic-related measures on the basis of solid data. Short-term adjustments to traffic light control systems as well as long-term mobility concepts can therefore be realized both promptly and cost-efficiently.

## Capture

The traffic situation needs to be recorded in real time for calculating the traffic-related emissions at important traffic junctions. The main parameters here are traffic density, traffic events, and vehicle fleet structure. These are processed in the cloud to obtain emission packages per 20 meters of road.

## Analyze

Using the highly-accurate emission packages and including the ambient air quality data, the contribution made by traffic to the local air quality situation can be identified. This analysis takes account of weather and atmospheric chemistry as well as traffic dynamics over time.



## Implement

The measure packages drawn up, e.g. within an expert report or urban project, enable the municipalities to implement all measures without delay. The additional implementation of a validation mechanism identifies any measures which need to be adjusted at an early stage.

## Develop

Providers of environmental services develop measures phased over time, depending on requirements for optimization. Data recorded under real traffic conditions make it possible to design traffic concepts and examine them before their actual implementation. Likewise, other urban development measures can be introduced by incorporating simulation tools.