

Case Study:

# Karlstad Municipality, Sweden

The Swedish EPA requires municipalities to deliver measurement data of air quality. Karlstad chose OPSIS to handle their measurements. In the centre of Karlstad, the OPSIS instruments measures NO<sub>2</sub> and PM<sub>10</sub>, Particulate Matter.

Karlstad, a city in the middle of Sweden, wants to ensure good ambient air quality to its citizens. Therefore, it has started to measure NO<sub>2</sub> and PM<sub>10</sub> in July 2016 with the OPSIS BOO concept.

Previously Karlstad municipality measured NO<sub>x</sub> and PM<sub>10</sub> with their own OPSIS instruments, but saw the advantage of letting OPSIS take full responsibility of the measurements.

With the OPSIS BOO concept, OPSIS handles everything from installation and maintenance to data delivery. This means that Karlstad can focus on the data instead of handling the monitoring systems.

The monitoring container is wrapped with the Karlstad municipality logo and brief information about what it does. The container says:

*“Hello! With this box we measure the air quality in Karlstad.”*

The container is equipped with LED lights which displays the current air quality. If the lights are red the concentrations has exceeded national limits and if they are green the air quality is within the limited values.



## “We see a lot of benefits with OPSIS BOO”



*“One is that we get quality assured data. It is a win-win situation when OPSIS handles the advanced measurement instruments and we can focus our time and competence on handling the data.”*

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