

Short Overview: Smarter Together's intelligent lamp posts



Picture of Bodenseestraße lampposts (source: LHM/W.Glock)

What is an intelligent lamp post?

- An intelligent lamp post is a multifunctional platform with a lighting unit (often LED-based).
- Outwardly, the intelligent lamp posts installed in Munich look exactly like conventional lamp posts to preserve a harmonious cityscape.
- However, an intelligent lamp post features additional technical infrastructure that can complement its lighting function with extra equipment such as actuators and/or wireless LAN ("M-WLAN").
- Intelligent lamp posts can, for example, gather traffic data, manage parking spaces, collect weather data and measure pollutants. It is also conceivable to attach actuators such as information displays and/or SOS alarm buttons.

What contribution do intelligent lamp posts make to "smart cities"?

- They introduce a sensor infrastructure for local data collection and/or actuators that can be replicated/ramped up in a standard form across the whole of the city.
- They create opportunities to gather data local data to feed new services both for residents and for the local authorities.

How many intelligent lamp posts are being set up in the project area?

- Munich has installed a total of about 60 intelligent lamp posts in the project area.
- More than 40 of these are tall (10-meter) lamp posts on Bodenseestraße and Limesstraße.
- 20 are small (3-meter) lamp posts in a district park area.



When will the first intelligent lamp posts be installed?

- The lamp posts have been piloted on Bodenseestrasse and Limesstrasse in Neuauubing-Westkreuz since 2017.
- They are being fitted with sensors in 2018: To this end, the City of Munich issued an EU-wide open call for proposals in autumn 2017, and again in summer 2018.
- The sensors resulting from the first open call related to weather and pollution issues. They have already been installed and are up and running in intelligent lamp posts. The sensors and solutions resulting from the second open call – on the subjects of traffic data capture and parking space management – will be installed and will go into service in early 2019.