

# TreeMap Kamp-Lintfort

## Collecting Sensor Data with LoRa and MQTT

To monitor the soil moisture content of a few selected trees in the LaGa area in Kamp-Lintfort, we are going to install some [dragino Lse01](#) LoRa sensors. The sensors send the collected data via LoRa to an Imst Gateway located on top of the old winding tower, which then forwards the data to a chirpstack server. Since the server has an integrated MQTT-Broker, we can use the MQTT node in node-red to get our data and save it to an influx database. You can find a guide on how to set up the node here: [node-red MQTT setup with TLS](#).

The data can now be displayed on a Grafana dashboard. (coming soon)

## TreeMap Kleve

## TreeMap Xanten

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