TreeMap Kamp-Lintfort

Collecting Sensor Data with LoRa and MQTT

To monitor the soil moisture content of some 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. The Gateway 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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Last update: **2021/08/24 17:34**