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LoRaWAN-enabled energy meters !

BU sciences & santé deployed Campus-wide modbus counters data retrieval Alexandre Fernandes (M2 SIAME), Dr François THIEBOLT, Dr Rahim KACIMI - IRIT thiebolt@irit.fr, kacimi@irit.fr

Context & aims

Solutions for long-range IoT devices usually require a per-device annual subscription. LoRaWAN technology enables you to deploy your own largescale long-range loT network :)

Low-cost LoRaWAN module, 15km LOS, 2 to 3km

As a proof-of-concept, ne Campus deployed LoRaWAN end-devices tied to modbus energy meter for real-time power consumption data acquisition.

- in dense area,
- modbus energy meters or water flow counters interfacing,
- Raspberry Pi 3 based (POC ---June17),

Features

Campus-wide private LoRaWAN network,

neCcampus integrated.



[tags] LoRaWAN, Single-phase active energy meter, ambient systems, neOC ampus integration.

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