



# SIGFOX Quality of Service

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### Generalities

### Coverage

26 countries base station:

- 1~5 km
- 30~50 km



### **Tarification**





1~2 messages

0 message



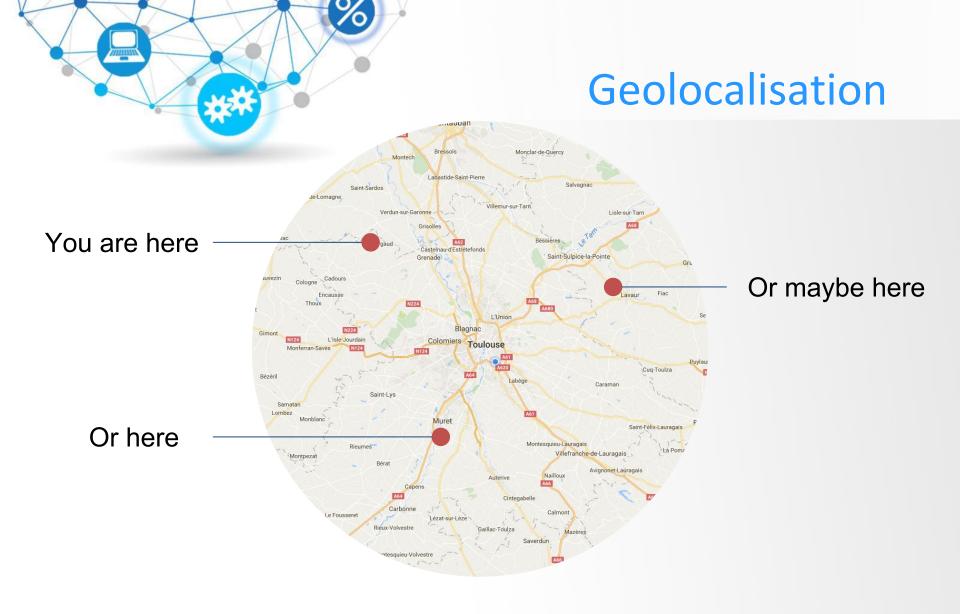


140 messages

4 message















## Data rate - Consumption



#### **DEVICE:**

Emission ₹ 50 mA (100µW/bit) Reception ₹ 20 mA Idle ₹ few µA



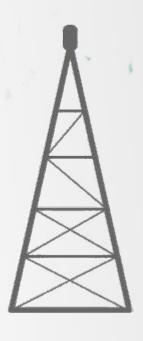
#### **UPLINK** (device → base station):

rate: 100 bits/s
max 140 / device / day
max payload: 12kB
emission time: approx. 2 secs



#### **DOWNLINK** ( base station $\rightarrow$ device):

(1) rate: 600 bits/s max 4 / device / day



#### **BASE STATION:**

Consumption
120 kW/H







### Conclusion

### The Sigfox technology ...

- ... Is widely deployed in many countries
- ... Is perfectly suited for low rate applications
- ... Has a very low power consumption



### But ...

- ... Can be expensive
- ... Has a very imprecise localisation service
- ... Has a very limited downlink





