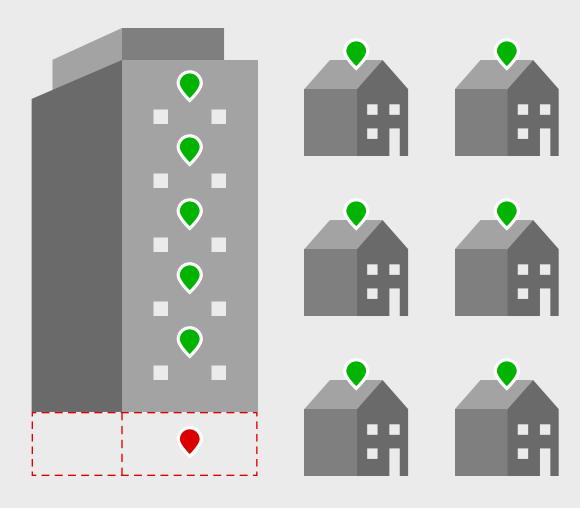
Reach 100% readout of your network

LoRaWAN and wireless M-Bus (wM-Bus) networks often do not reach all installed heat meters via remote reading. For hard-to-reach locations, this gap can be closed with NB-IoT technology. A hybrid solution offers 100% coverage efficient, scalable and ready for urban and remote areas.

evaco



LoRaWAN and wM-Bus network challenges

LoRaWAN and wM-Bus technologies sometimes face challenges such as signal interruptions due to long distances or poor penetration.

Long distances

LoRaWAN and wM-Bus solutions reach their limits in rural areas due to long distances.

Meters per gateway

The additional installation of gateways for a small number of meters or sensors is cost intensive.

Poor penetration into deep basements can cause interruptions in the LoRaWAN and wM-Bus radio signals.

The search for suitable antenna locations in unfavorable areas or on private buildings is time-consuming and expensive.

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Connectivity

Search for antenna locations



Coverage of hard-to-reach locations with the addition of an NB-loT solution

The Elvaco NB-IoT solution complements LoRaWAN and wM-Bus networks for seamless connectivity, deep reading and easy integration.

Hybrid network

Use LoRaWAN or wM-Bus network for the majority of meters. Add NB-IoT to cover longer distances and remaining meters.

Software integration

Seamless integration into your meter data management software, Elvaco Evo, or into an existing software solution.

Depth reading

NB-IoT enables indoor/basement depth readings where LoRaWAN and wM-Bus cannot connect.

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Plug & Play solution

An Elvaco NB-IoT module enables quick setup on site, is immediately operational and delivers data without hassle.







