Spider 2 AMR

Wireless and wired automatic meter reading for water, gas, and electricity — wireless to eliminate cabling, wired for smart meters or where meters are concentrated.

Overview

Spider 2 AMR reads water, gas*, and electricity meters wirelessly and via wired connections — logging data, controlling outputs, and generating alarms — accessible from any web browser, on-site or remotely.

A single base station covers up to 24 floors or hundreds of metres across a site, with no cable runs between meters and the base station. Connects any Modbus-capable device — smart meters, energy meters, and process instruments — alongside wireless transmitters and Halytech RIMs on the same base station. Data is delivered in open CSV format with no ongoing subscription fees.

Key Features

- **No trenching, no cable runs** — retrofits into existing buildings and scales across large sites without cabling between meters and the base station.
- **Up to 400 wireless meter points from one base station** — covers an entire high-rise (24 floors) or campus; wired ports add up to 960 more.
- **Up to 7 years battery life on transmitters** — no power cables or maintenance required at the meter.
- **One system for all meter types** — water, gas*, and electricity; wireless, wired, and smart meters on the same base station.
- **Complete base station** — logger, battery, PSU, and antennas pre-installed in an IP66 enclosure.
- **You own your data** — email, FTP, or CSV reporting with no ongoing subscription fees.

Typical Applications

- **Utility billing** — individual water, electricity, and gas* consumption per apartment, tenancy, or cost centre; bill on actual use, not estimates or shared costs
- **Water efficiency monitoring** — identify leaks, abnormal consumption, and waste across a building or site at the resolution needed to act
- **Large building and campus metering** — cover an entire high-rise (up to 24 floors) or multi-building campus wirelessly from a single base station
- **BMS and facilities integration** — data feeds to building management systems and facilities platforms via FTP or email; optional Modbus TCP/IP over LAN for direct BMS and PLC integration

Typical sites: Shopping centres · High-rise apartments · Commercial towers · Education campuses · Hospitals · Airports · Industrial sites · Golf courses

* Gas metering installations require appropriate safety approvals and hazardous area isolation where applicable.