

# Building & Facility Retrofit Monitoring Hardware

Metering, leak, pump-room and gateway hardware for ESCOs, MEP contractors, panel builders and BMS integrators.

## WHAT THIS HARDWARE ADDRESSES

- Add sub-metering to existing panels
- Collect pump-room, water-tank and sump signals
- Add leak and high-level alarm inputs
- Bridge Modbus RTU devices to Ethernet, BACnet or cellular paths

## STARTING HARDWARE PATHS

### Energy Data Acquisition Kit

- Energy meter and split-core CT selected for the circuit
- RS485/Modbus data collection
- Protocol or cellular gateway where required

### Pump Room & Leak Kit

- RTU, remote I/O or gateway
- Leak, high-level or non-contact level sensor
- Pump run/current/fault inputs

## INTERFACES AND DATA HANDOFF

- Modbus RTU/TCP, BACnet, digital input and 4-20 mA may be supported depending on exact hardware
- Existing BMS/SCADA point list and polling method must be reviewed
- Protocol/version claims are confirmed only after supplier evidence review

**DOCUMENT TYPE:** Selection Guide / Application One-Pager

**APPLICABLE FAMILY:** Building & Facility Retrofit Monitoring Hardware

**VERSION / REVIEWED / LANGUAGE:** 1.0 / 2026-07-20 / English

**EVIDENCE STATUS:** Representative product-family capability; exact model and configuration pending quotation review



DIN-Rail Three-Phase Energy Meter



Protocol Gateway (RS485 ↔ Ethernet)

REPRESENTATIVE PRODUCT-FAMILY IMAGES - NOT EXACT SKU PHOTOS

## CONFIRM BEFORE QUOTATION

- Facility type and country
- Monitoring objective
- Meter count, circuits, phase, voltage and current
- CT and panel constraints
- Existing meter/sensor register maps
- BMS/SCADA/cloud and required protocol

## PROJECT BOUNDARY

Complete BMS design or overseas installation | Guaranteed energy saving or compliance outcome | Blanket claim that a meter is legally required