sub:net/k

SOLUTION GUIDE

Legacy equipment retrofit

Bring old machines online without replacing them.

Used in Manufacturing

THE PROBLEM TODAY

Older machines have no digital output, so their status is guesswork and the connected replacement is a capital project. The data is often there — on a relay, a 4–20 mA signal or a Modbus port — but nobody can see it.

WITH SUBNETIK MONITORING

Existing kit online in hours: run status, alarms, analogue readings and controller data on one dashboard, with no rip-and-replace and no PLC changes.

1 HOW IT FITS TOGETHER

SENSOR **In'O** — Wired into the panel

LoRaWAN radio

GATEWAY **Milesight UG65** — Covers the site

Ethernet / 4G

NETWORK SERVER **LORIOT** — Secure device network

Secure cloud

DASHBOARD **ThingsBoard** — Live view & history

Rules

YOU **Instant alert** — SMS · WhatsApp · email

2 CHOOSE YOUR SENSOR

RECOMMENDED



Watteco In'O

Wireless I/O interface

Best for: Machines with relays, run signals or alarm contacts — up to 10 inputs and 4 outputs per unit.

INPUTS	OUTPUTS	POWER	BATTERY
10 digital	4 switched	Battery or 9–24 V	Up to 10 yrs

OR, DEPENDING ON YOUR SITE



Netvox R718IJK

Analogue sensor interface

Choose when: Equipment with analogue outputs — 4–20 mA or 0–24 V transmitters for pressure, flow or level.

4–20 mA, 0–24 V and dry-contact inputs



Watteco ModBus Bridge

Modbus to LoRaWAN bridge

Choose when: Controllers, meters and drives with a Modbus RTU port — read and write their registers.

Reads and writes Modbus RTU equipment

3 WHERE TO FIT IT

1. **In the machine's control panel**
   Wired to existing terminals by a qualified electrician.
2. **Start with run, fault and alarm signals**
   The fastest win: see what's running and what's stopped.
3. **Modbus bridges on the RS-485 bus**
   Polls controllers without changing their programs.

4 PICK YOUR GATEWAY

SMALL SITE	BUILDING (TYPICAL FOR THIS)	OUTDOOR
UG63	**UG65**	**UG67**
Shop, villa, one floor	Tower, hotel or plant	Community, yard, campus

One gateway serves every sensor on site — confirmed by a short survey.

5 WHAT YOU'LL SEE

Dubai Industrial City — Press shop — ThingsBoard · illustrative

- Press 4 · Fault
- Press 3 · Running
- Chiller · 4–20 mA
- VSD 2 · Modbus

Fault signal
Press 4 · Hydraulic alarm
Assigned to: Maintenance supervisor

ALERTS · LAST 30 DAYS

⚠ Fault signal
Press 4 · Hydraulic alarm

✓ Back in service · 09:50
Low oil level topped up.

SMS · WhatsApp · Email

Prove it on your own site

We scope a pilot around this problem and configure everything for you.

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04 248 5139
contactus@subnetik.ae
www.subnetik.ae

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