sub:net/k

SOLUTION GUIDE

Predictive maintenance

Fix machines before they stop the line.

Used in: Manufacturing

THE PROBLEM TODAY

Motors, pumps, compressors and fans serviced by the calendar or when they break. Healthy kit gets serviced anyway, while one failed bearing can stop a line for days while parts are found.

WITH SUBNETIK MONITORING

Every critical asset watched continuously, with early warning of wear — so repairs are planned around production, not the other way round.

1 HOW IT FITS TOGETHER

SENSOR	LoRaWAN radio	GATEWAY	Ethernet / 4G	NETWORK SERVER	Secure cloud	DASHBOARD	Rules	YOU
BoB Assistant		**Milesight UG65**		**LORIOT**		**ThingsBoard**		**Instant alert**
Battery, no cabling		Covers the site		Secure device network		Live view & history		SMS · WhatsApp · email

2 CHOOSE YOUR SENSOR

RECOMMENDED



Watteco BoB Assistant

AI vibration sensor

Best for: Motors, pumps, fans and compressors — learns each machine, then flags drift.

LEARNS	REPORTS	BATTERY	FITTING
Normal in 7 days	**Drift & failure risk**	**Up to 4 yrs**	**Magnetic, IP68**

OR, DEPENDING ON YOUR SITE



Watteco BoB Assistant ATEX

AI vibration sensor (ATEX)

Choose when: Rotating equipment in hazardous areas that need ATEX Zone 1 equipment.

ATEX Zone 1 version for hazardous areas



Milesight CT10x

Single-phase current clamp

Choose when: You mainly want run-hours and load — clips round the motor supply cable.

Clips round a cable · self-powered · 100–500 A

3 WHERE TO FIT IT

1. **On the bearing housing of each critical motor or pump**
   Magnetic base, as close to the bearing as possible.
2. **Start with the assets that stop production**
   The pumps, compressors and drives with no standby.
3. **Leave it to learn for seven days**
   It builds each machine's normal pattern before alerting.

4 PICK YOUR GATEWAY

SMALL SITE	TYPICAL FOR THIS — BUILDING	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

ICAD Plant — Line 2 · ThingsBoard · illustrative

- Pump P-204
- Compressor C-1
- Extract fan F-3
- Conveyor drive D-2

Vibration drift rising
Pump P-204 · failure risk 68%
Assigned to: Reliability engineer

P-204 · FAILURE RISK, LAST 30 DAYS (%)

⚠ Vibration drift rising
Pump P-204 · failure risk 68%

✓ Bearing swapped at shift change
Planned stop: 40 min, not 3 days.

SMS · WhatsApp · Email

Prove it on your own site

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

Talk to Subnetik

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