sub:net/k

SOLUTION GUIDE

Water tanks & pumps

Never run dry, never overflow.

Used in: Property management · Manufacturing

THE PROBLEM TODAY

Tank levels checked on a routine visit; a pump that runs dry or a tank that overflows is found when the water stops or the plant room floods. Most visits check kit that is fine.

WITH SUBNETIK MONITORING

Continuous levels from every tank, with low, high and overflow alerts. Pump running time on the dashboard — so an emergency callout becomes a scheduled visit.

1 HOW IT FITS TOGETHER

SENSOR	LoRaWAN radio	GATEWAY	Ethernet / 4G	NETWORK SERVER	Secure cloud	DASHBOARD	Rules	YOU
EM400-UDL		**Milesight UG67**		**LORIOT**		**ThingsBoard**		**Instant alert**
Battery, no cabling		Covers the site		Secure device network		Live view & history		SMS · WhatsApp · email

2 CHOOSE YOUR SENSOR

RECOMMENDED



Milesight EM400-UDL

Ultrasonic level sensor

Best for: Closed water tanks and sumps — mounts on top and measures without touching the water.

MEASURES	RANGE	BATTERY	RATING
Level, no contact	Up to 10 m	Up to 10 yrs	IP67

OR, DEPENDING ON YOUR SITE



Milesight EM500-SWL

Submersible level sensor

Choose when: Open tanks, wells or sumps where a top-mounted sensor won't fit — the probe hangs in the water.

Drop-in probe · 3, 5 or 10 m ranges · IP68



Milesight CT10x

Single-phase current clamp

Choose when: You want to see when a pump runs, stops or runs too long — clips round its supply cable.

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

3 WHERE TO FIT IT

1. **On the tank roof, over open water**
   Clear of inlets, ladders and float switches.
2. **One per roof tank and basement tank**
   Low and overflow alerts set per tank.
3. **Current clamps on each pump supply**
   Shows run time and catches dry-running early.

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

Jumeirah Village — Cluster 4 · ThingsBoard · illustrative

- Roof tank B · Bldg 12
- Roof tank A · Bldg 12
- Basement tank · Bldg 12
- Booster pump 1

Tank level below 20%
Roof tank B · Building 12
Assigned to: Plumbing contractor

ROOF TANK B · LEVEL, LAST 24 H (%)

⚠ Tank level below 20%
Roof tank B · Building 12

✓ Refilled by 11:20
Booster pump valve reopened.

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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