

WIKAIOT SOLUTIONS

Supply security due to smart tank level measurement

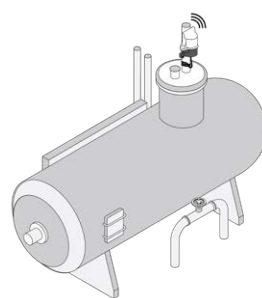
Remote monitoring of tanks

In the oil, gas and chemical industries, customer tanks are often spread over large distances – even across the globe. Whether to avoid supply bottlenecks or to optimise delivery planning, the Industrial Internet of Things offers powerful solutions through the remote monitoring of tanks.

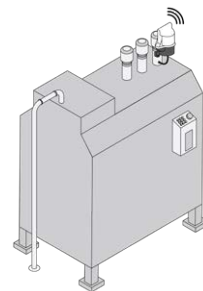
For over 25 years, Sensile Technologies, a division of WIKAI, has been providing comprehensive telemetry solutions – including robust hardware, a secure cloud platform and expert services – tailored to the specific challenges of these industries.

With over 100,000 tanks monitored across more than 70 countries, this flexible, scalable and highly reliable system helps businesses optimise their operations, reduce costs and increase customer satisfaction.

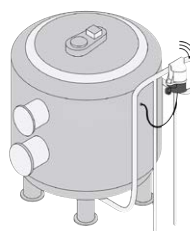
At the heart of this success lie data availability and reliability – which are particularly important for isolated or underground tanks. Whilst reliable hardware is essential, it is the ongoing customer service and commitment to high-quality, actionable data that deliver long-term results and ensure an excellent return on investment (ROI).



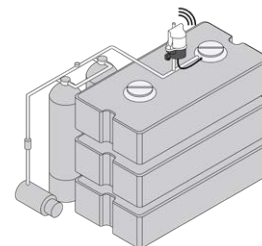
Petrol station tanks,
gas tanks and fuel tanks



Oil tanks,
lubricant tanks



Used-oil tanks



Chemical tanks

What makes WIKAI's "Tank Level Manager" unique?

- A comprehensive and robust telemetry solution offering excellent data availability and reliability
- Battery-powered and equipped with its own SIM card – ideal for remote, stand-alone and underground installations
- A user-friendly, multilingual and fully customisable platform designed specifically for the remote monitoring of tanks
- Certified for use in hazardous areas, waterproof to IP68



Smart in sensing

Smart IIoT instruments

LS-1000 submersible pressure sensor

- Hydrostatic measurement of levels from 1 to 10 m
- Permanently leak-tight thanks to its robust design
- Low total cost of ownership
- Certified for use in hazardous areas
- Low current consumption



Further sensors for gas and pressure monitoring are available

NETRIS®2 radio unit

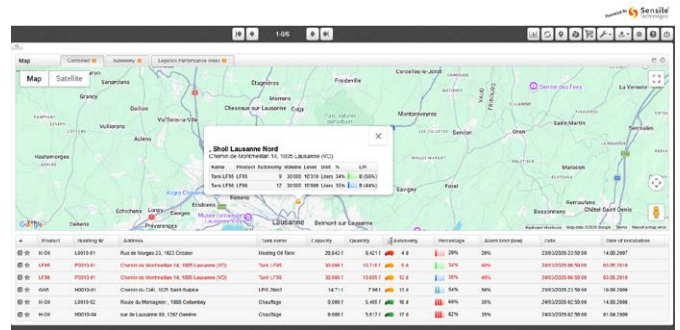
- Battery-powered with a battery life of up to 10 years, replaceable
- GSM connectivity: LTE Cat M1, NB-IoT
- Optional GPS for location tracking
- Repeater mode with short-range RF
- Multi-tank monitoring using a single instrument
- Operating temperature: -30 to +60 °C
- Waterproof and dust-tight (IP68)
- Certified: IECEx, ATEX, UL, PTCRB, FCC



Application and platform

The cloud platform was developed specifically for the remote monitoring of tanks. It offers a user-friendly, multilingual and fully customisable interface providing insights into tank levels, alarm thresholds and interactive location maps. You will receive regular predictive analyses based on historical consumption data.

- Customisable dashboards and modular views
- 24/7 alarm management for high and low tank levels
- Seamless integration with existing ERP and logistics systems
- Secure data hosting with redundant backup servers
- A robust IT infrastructure with high security standards



Benefits



Lower costs and emissions
Intelligent logistics and delivery planning



High transparency
24/7 alerts for tank levels



Intelligent operational management
Simple ERP integration via a secure API



Scalable and future-proof
Suitable for various tank types

Further solutions

Find out more about other IIoT solutions for monitoring critical infrastructure or machines.



Smart in sensing

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