

Sensor - Data Logger - Web services

Wireless Remote Monitoring Solutions

Environment catalog











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Wireless Remote Monitoring Solutions

IJINUS, specialist in physical wireless measurement and manufacturer of sensors and data loggers offer adapted and quick solutions to put in place to respond to multiple application domains:

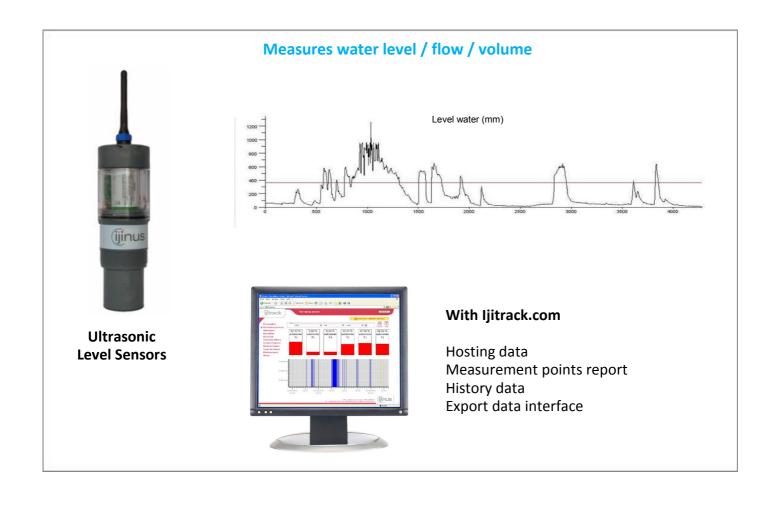
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▶ Diagnostic of sewers network



3 in 1 solution: Level - Volume - Flow

- Quick and easy installation
- Timestamp volumes
- Battery life power > 5 years
- Acoustic imaging technology
- Non-contact measurement of volumes
- Insensitive to dirt IP68
- Multiprotocol communication
- Hosting data

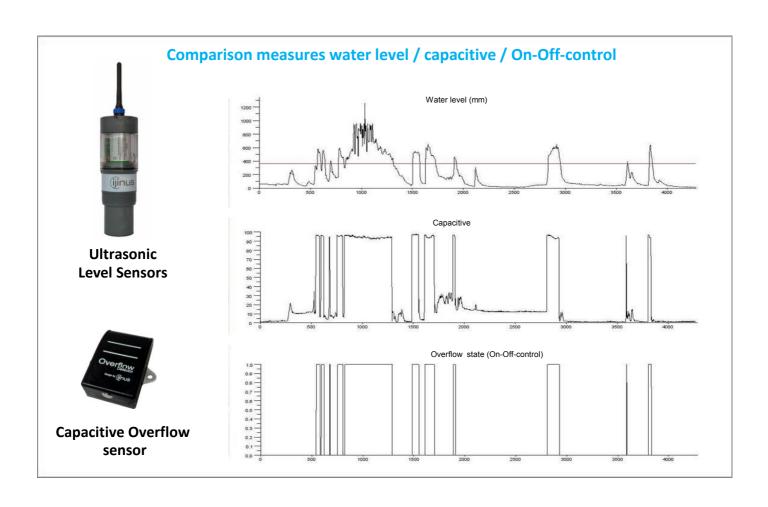


▶ Combined Sewers Overflow Monitoring



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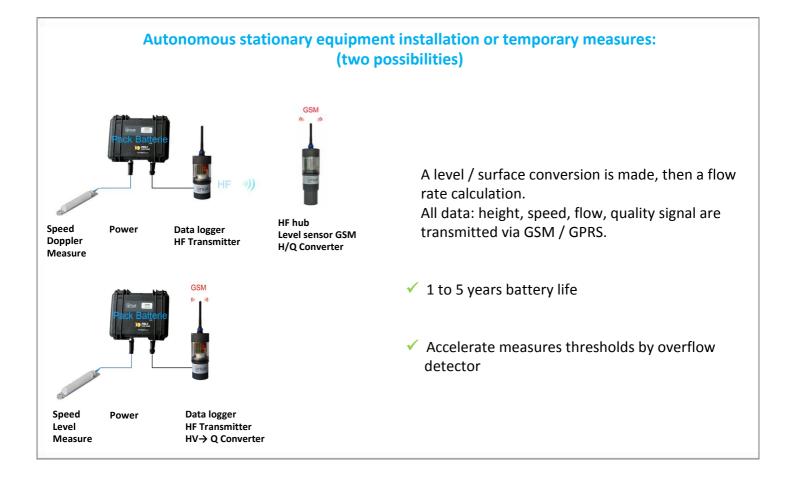


► Autonomous flow measurement from speed sensors and level/speed sensors



Level - Speed - Flow - Overflow - Measurement quality - Temperature

- Quick and easy installation
- Timestamp of all parameters
- Calculation of integrated flow
- Autonomous system battery pack (Li-ion)
 or rechargeable lead
- One software to set all
- Option: trigger action on overflow



▶ Discharges monitoring from waste water treatment plants

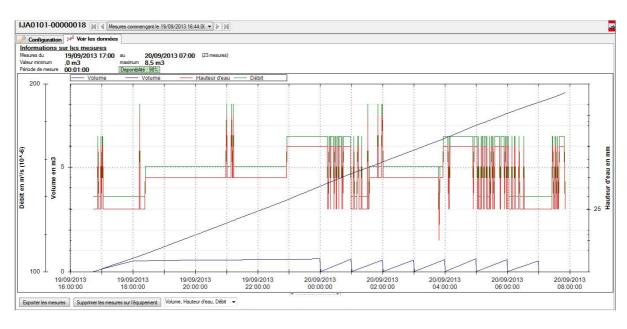




Autonomous solution to control discharges in lagoon structure and reed filter

- Quick and easy installation
- Operates on battery
- Record level, volume, flow, rain
- Autonomous display for reading in situ current values
- Day volumes saved
- Battery life power > 2 years
- Acoustic imaging technology suitable for small channel count
- Automatic sampler enslavement
- Insensitive to dirt
- Hosting data possible

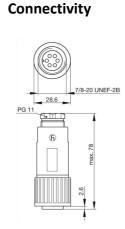
Avelour Software 5: Measure comparison of volume / water level / flow



► Enslavement of a sampler by an capacitive level detector



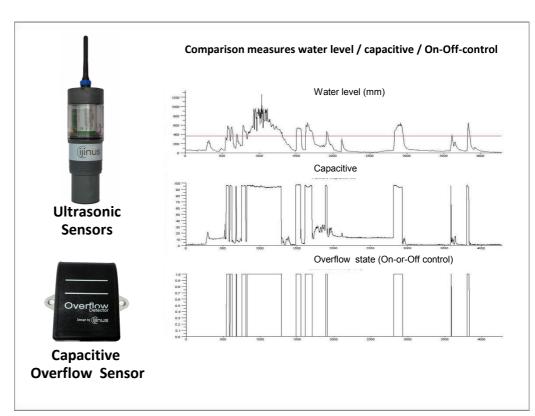












Overflow detector:

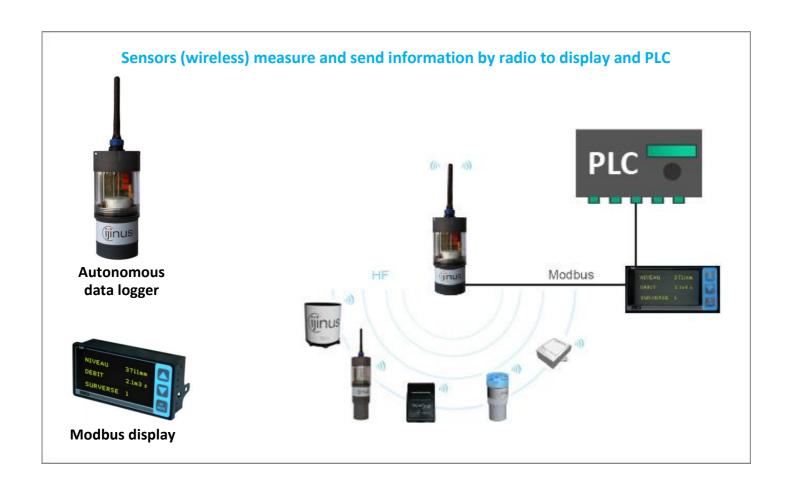
- Measuring capacitive air repository for discrimination dirtying
- Operation of pulse output overflow or On-or-Off control NO/NC (Not Open/Not Closed)
- Ijinus patent: AIRCAP

► Modbus connection to PLC/control units



The solution compatible with all controllers

- Quick and easy installation
- Automatic detection in the field by the radio access point
- Compatibility with Modbus RTU: 15 sensors
- Speed up level conversion
- Visualization on display up to 20 records
- Measurement of level, overflow, flow, speed,
 temp ...

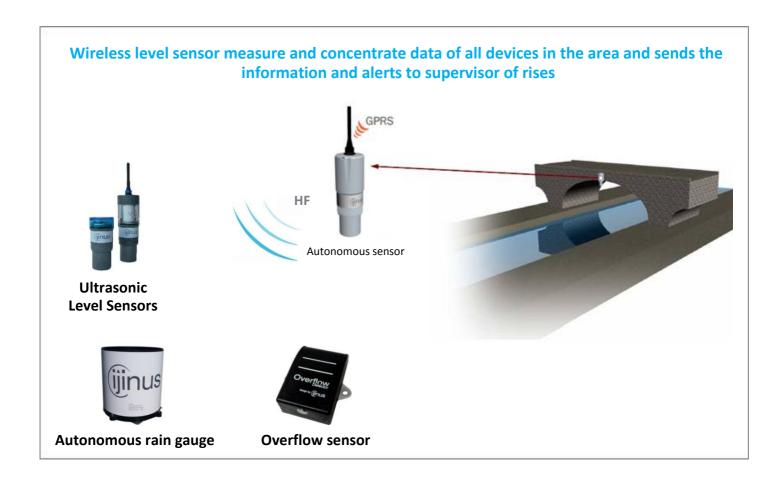


► Flood warning and management

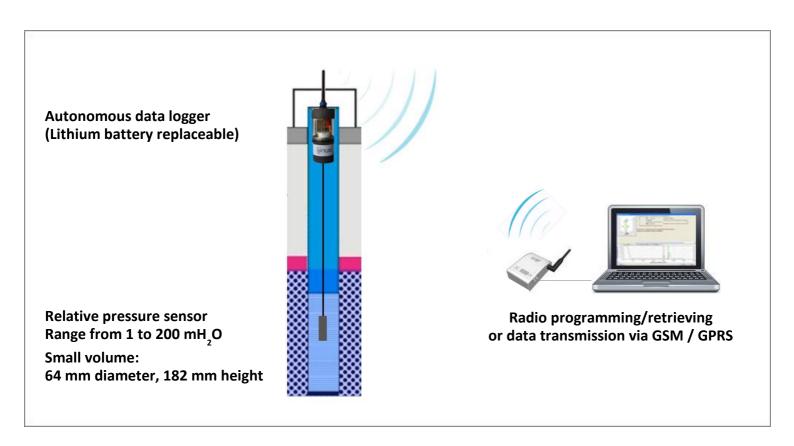


3 in 1 solution: Level - Rain - Overflow

- Quick and easy installation
- Compact, light and discreet <1kg
- Multiprotocol Communication
- Battery life power > 5 years
- Set your equipment safely by radio
- Measurement of water levels contactless
- Low installation cost
- Self contained rain gauge including data logger, transmitter and batteries



► Autonomous and communicating monitoring of groundwater by piezo probe



Autonomous solution for monitoring groundwater

- Easy, quick and discreet installation
- With or without GSM
- Price control
- Operates on battery
- Level recorder
- Rain gauge couplage by radio possible
- Battery life power > 5 years
- Hosting data possible

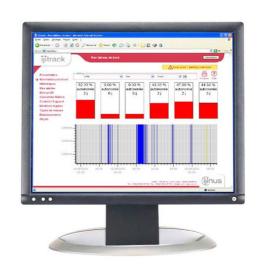


► Autonomous rain gauge GSM/GPRS

The whole integrated solution for recording rain



- Quick and easy installation
- Self contained rain gauge including data logger, transmitter and batteries
- Retrieving data by radio on-site
- Battery life power > 6 years
- Timestamp or accumulated precipitation operation, temperature
- Export data to Csv, Excel or HTML
- Multiprotocol communication





► Instrumented Buoys with GSM/GPRS for lakes, rivers and seawater

The all in one solution mono-parameter Only one person for installation



• Possible measure: Conductivity / Salinity / T°

ORP / PH / T°

0, / T°

Turbidity / T°

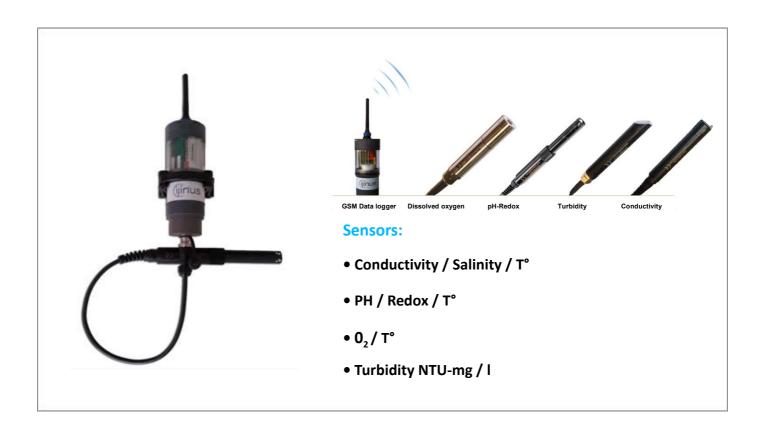
- Compact and **self-stable** buoy
- **Battery life** power > 5 years:

1 measurement / 15 min and 1 sending GSM / day

- Quick and easy installation on-site calibration
- Integrated GSM for monitoring data by internet or supervision
- Retrieving data by radio on-site
- Dynamic communication between several buoys



▶ Data logger & physico-chemical probes for natural water monitoring



The all in one solution mono-parameter

- Integrated GSM for data tracking by internet
- Data logger 400,000
- Quick and easy installation
- Reduced maintenance
- Battery life power > 5 years:
 a measurement / 15 min and 1 sending GSM / day
- Calibration on-site simplified
- On-site data retrieval by radio

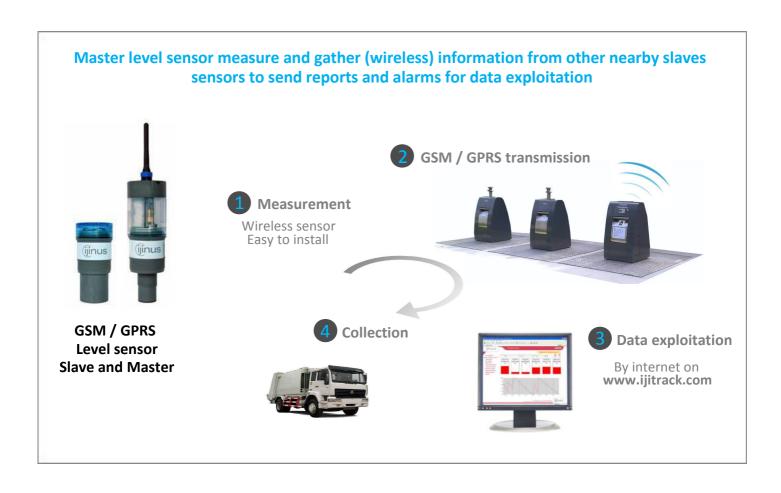


► Remote control and management of bin fill levels



Emptying only full containers

- Underground containers, semi-underground, aerial
- Optimize round collection
- Sensor levels communicating with GSM / GPRS
- Multiprotocole communication
- SMS Alarms filling and high T ° C
- Battery life power > 5 years
- Low installation cost

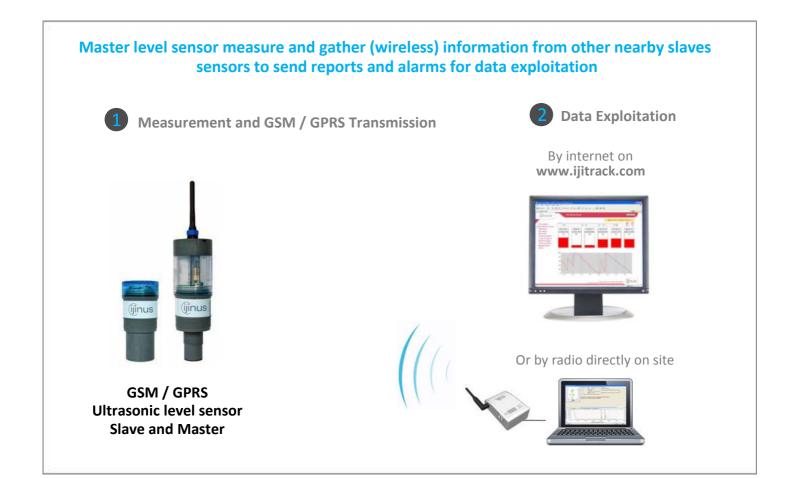


▶ Monitoring and management of storage tanks



Autonomous level management solution

- Underground tanks, semi-buried, aerial
- Easy to install
- Sensor level communicating with GSM / GPRS
- Multiprotocole communication
- SMS Alarms filling and high T ° C
- Battery life power > 5 years
- Low installation cost

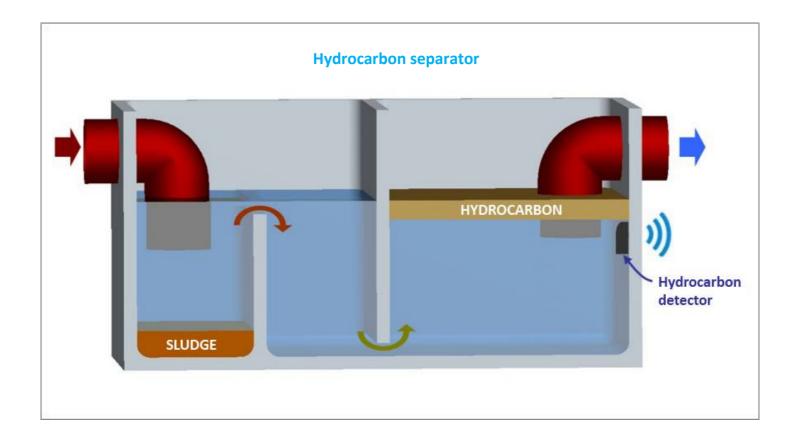


▶ Monitoring of hydrocarbon separators

3 in 1 solution: Detection - Autonomous - Communication



- Quick and easy installation
- Power autonomous
- Measure the dielectric capacitive effect
- Capacitive technology at Air repository
- IJINUS patent
- **HF** communication





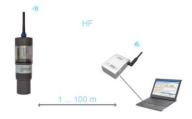
► Avelour software

Unique software to configure all Ijinus sensors



- Instant radio connection to sensors
- Intuitive interface adapts to connected sensors
- Assisted Setup and Quick, recapitulation summary
- Multi curves display of your data
- Back-up available for data and settings
- Work safely by staying away from your measurement points

Functioning rules are the same for all devices:



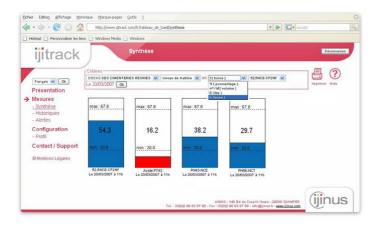
Our Wiji radio plugged (USB) to a computer allows by RFID, to connect to various Ijinus devices, to set and retrieve data

A sensor or data logger can concentrate other data of sensors present in the radio field and send them via GSM / GPRS to supervision.



▶ Web Services

More than hosting data



transmitted by mail, SMS or Fax.

- Simple and intuitive interface
- Reachable everywhere
- Securing Data
- View real-time
- Export datas to Csv, XIs formats

Hosting and secure data at reduced price The face of three data in th

alarm you can set a high and low threshold. Alarms are visible on ijitrack.com and can be



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▶ Contacts us

For any further information, thank you to contact our office or sales representative in your area:

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