

munisense



Focus on Water





Water is of vital importance for our cities, nature and agriculture. That is why reliable insight into water levels and water quality is essential. A water level that is too high causes nuisance, while a water level that is too low can cause damage to landscaping and crops. Fluctuations in the water level can also damage foundations and cause subsidence. Validated water data is crucial for water extraction and water management.

Munisense offers an affordable solution for groundwater and surface water management. Specifically the telemetric measuring of water levels, pore pressure, water quality and precipitation and the automatic and manual validation of the measurements. We make the measurement information transparent in graphs and on GIS maps and make the data available to third-party systems such as the BRO, ESRI and customer systems. Equipment management and fieldwork support are also done from the Munisense portal.

INSIGHTNOW™

INSIGHTNOW™ consists of our INSIGHTNOW™ network and INSIGHTNOW™ cloud platform.

The INSIGHTNOW™ network consists of our small, rapidly deployable, wireless and energy-efficient water meters. These meters communicate with our INSIGHTNOW™ platform where their measurement data is stored, after automatic validation.

Settings can be entered and changed remotely per meter, like sampling rate and communication interval with the INSIGHTNOW™ network.

The INSIGHTNOW™ platform is the repository of the measuring point information and the telemetry data. The platform also stores imported data from loggers or regular manual measurements, and control measurements. With Web Service APIs, external systems retrieve information from the INSIGHTNOW™ platform, and external real-time data is read (KNMI, Hydrologic, AccuWeather).

The Basic Subsurface Registration (BRO) is fully supported for both groundwater data and groundwater quality.



Measuring (ground)water level, precipitation, pore pressure and water quality

Manage water monitoring networks

Handy fieldwork tool

Import historical and logger data

Automatic data validation

Integration with Dutch BRO

Web Service APIs

Complete online insight

Munisense supports the entire management of the monitoring network. All information from the measuring locations, such as photos, drilling profile, monitoring well and ground level are stored. Suitable for the role and situation, there is full online insight into the measurement history of the entire measurement network and this information can easily be correlated with precipitation data.

The periodic reports provide a clear picture of the total history based on the data, which is automatically validated. Links with public portals, third-party systems and sensors are supported. Real-time measuring data, for example groundwater levels, can also be available to local residents and stakeholders



Measuring networks



Surface water



Pollution/salinization



Drainage



Climate adaptation



Infrastructure



Practical support

Operational management and work planners used, are supported by the platform.

Extensive notifications of possible problems with equipment and/or automatic rejections of data make it possible to respond extremely quickly.

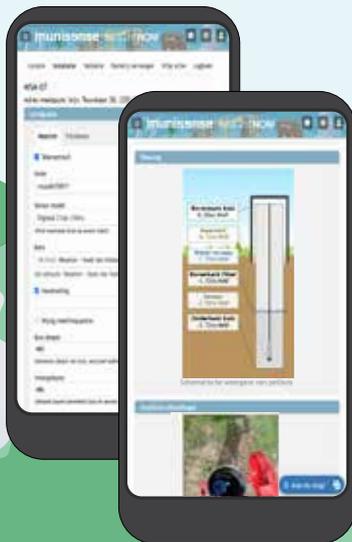
This way, high service levels can be guaranteed.

Naturally, these service levels are always transparent.

Weather and precipitation stations

Barometric pressure and precipitation from all KNMI weather and precipitation stations can be included in presenting the groundwater levels in the INSIGHTNOW™ platform. Where more accurate precipitation information is required in the platform, Munisense supplies a telemetric precipitation meter. It is also possible to integrate an existing Hydrologic account with the groundwater measurements.

Example of the fieldwork tool:



Fieldwork tool

The platform has a handy tool with which the field worker can quickly find, install or maintain a measuring point on their mobile phone. They can perform control measurements, and immediately see if everything is working properly so that they can go to the next measuring point on the route.

International standards

All Munisense products and services are suitable for use worldwide. Our INSIGHTNOW™ platform is based on international standards for wireless measurements. This simplifies integration with other systems and allows very affordable online measurements.

Our customers

Municipalities, water management authorities, water industry, environmental services, engineering and consultancy agencies, companies and other organisations around the globe use our products and services. You will find a brief overview on our website.

About Munisense

Munisense develops, produces, supplies and manages innovative measurement solutions for businesses and governments. Solutions that give stakeholders direct online insight into noise, water quality, water levels and air quality. The information is online available at any time for visualization, analysis or periodic reports. This way managers and policymakers can measure in real time; remotely, reliable and smarter.

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INSIGHTNOW™