



# munisense

## Managing groundwater monitoring networks

**Munisense offers an efficient and affordable solution for remotely measuring (ground)water, managing water measuring networks and seamless integration between real-time, semi-real-time and logged data.**

We also offer the option of taking care of the technical management and maintenance of your water network together with one of our partners.

The INSIGHTNOW™ network and platform provides real-time insight into water levels, extensive options for validation, analyzes and reporting, the complete measurement history of the entire measuring network and quick comparisons between different monitoring wells. For a correct overall picture of the water measuring network, data from loggers or manual measurements can also be imported per monitoring well or in bulk into the INSIGHTNOW™ platform.

### **Always current and historical insight**

The measured and imported data is stored in the INSIGHTNOW™ platform and automatically validated. It provides those involved with insight into both current and historical water levels.

Not only changes in water level, but also, for example, subsidence and replacement level meters, are historically recorded and, if necessary, included in calculated water levels. With the

powerful graph generator, multiple measuring points can easily be compared or plotted with the precipitation or the ground level.

### **Fast analysis and reporting**

The INSIGHTNOW™ platform makes a distinction between raw measurement data and validated data. The raw data cannot be modified and is always traceable to time, place and sensor. The validated data can be automatically generated from the raw data using validation rules or generated or updated manually.

**Realtime and online**

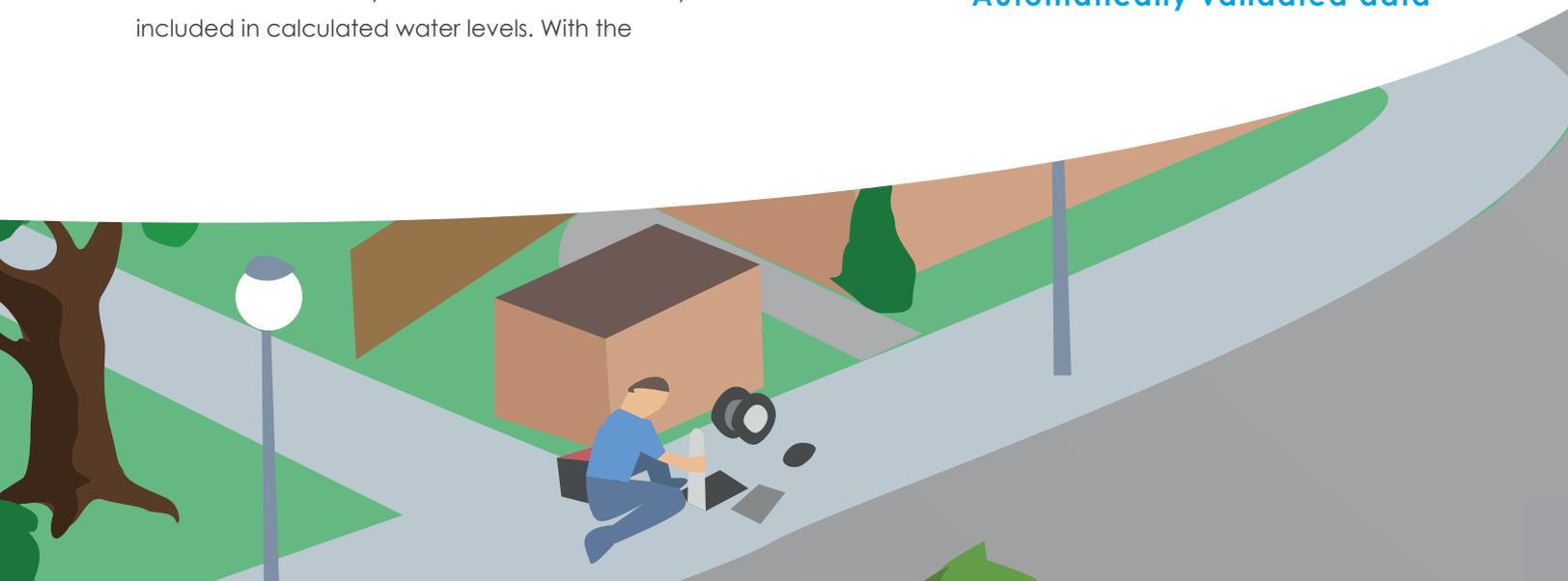
**Online analysis and reporting**

**Full management of the metadata and monitoring wells**

**Low costs for installation and manual measurement**

**Supplier independent**

**Automatically validated data**



### Precipitation and desiccation

All KNMI weather and precipitation stations are supported by the INSIGHTNOW™ platform. Precipitation, desiccation and other parameters can be included in the presentation of groundwater levels. Munisense also has a link with precipitation radar to make even more detailed groundwater correlations.

### Full metadata management

The INSIGHTNOW™ platform makes it easy to manage monitoring well metadata. Information used to calculate water levels from telemetry measurements such as NAP values, cable lengths, sources for barometric compensation, is kept historically and included in calculations. In addition, specific data from measurement locations such as overview photos, drilling profiles, height of the monitoring well or ground level and documentation of installed equipment are all available in the INSIGHTNOW™ platform.

### Integration of standards and systems

Munisense supports a wide variety of GIS standards that can be flexibly combined with information from measuring points and measurement data from its database. The INSIGHTNOW™ platform can be linked to systems such as DINO and BRO, but links to other systems are also easy to realize.

### Low costs for installation and manual measurements

Installation and periodic manual measurements are expensive and time-consuming activities. With the online support of the portal, these activities are carried out effectively, such as efficient route planning along the measuring points that are provided with images that help you reach the location quickly.

Data about the installation, equipment used, manual measurements and images can easily be entered on location and the telemetry can also be checked.

### Supplier independent

The INSIGHTNOW™ platform works independently of the hardware used to measure the positions. Data from manual measurements, loggers, GPRS level meters and real-time level meters are integrated.

### Full management

To manage installations, possible problems are clearly displayed in the dashboard of the INSIGHTNOW™ platform. Thanks to this information, battery changes of level meters are carried out in a timely manner and coverage problems are resolved quickly.

### 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.

Munisense BV  
Touwbaan 38 - A0.08  
2352 CZ LEIDERDORP  
The Netherlands  
info@munisense.com  
T +31 (0)71-711 4623  
www.munisense.com

**munisense**  
INSIGHTNOW™