



The cost efficient solution for monitoring your water pipe network

SePem® 351 – with data analysis and visualisation or direct connection to your network information system



Daily updates on your network at a glance – with stationary noise loggers.

Relieve the burden on specialists

Night shifts and time-consuming network inspections are no longer necessary

Maintenance-free operation over the entire battery life:

9 years

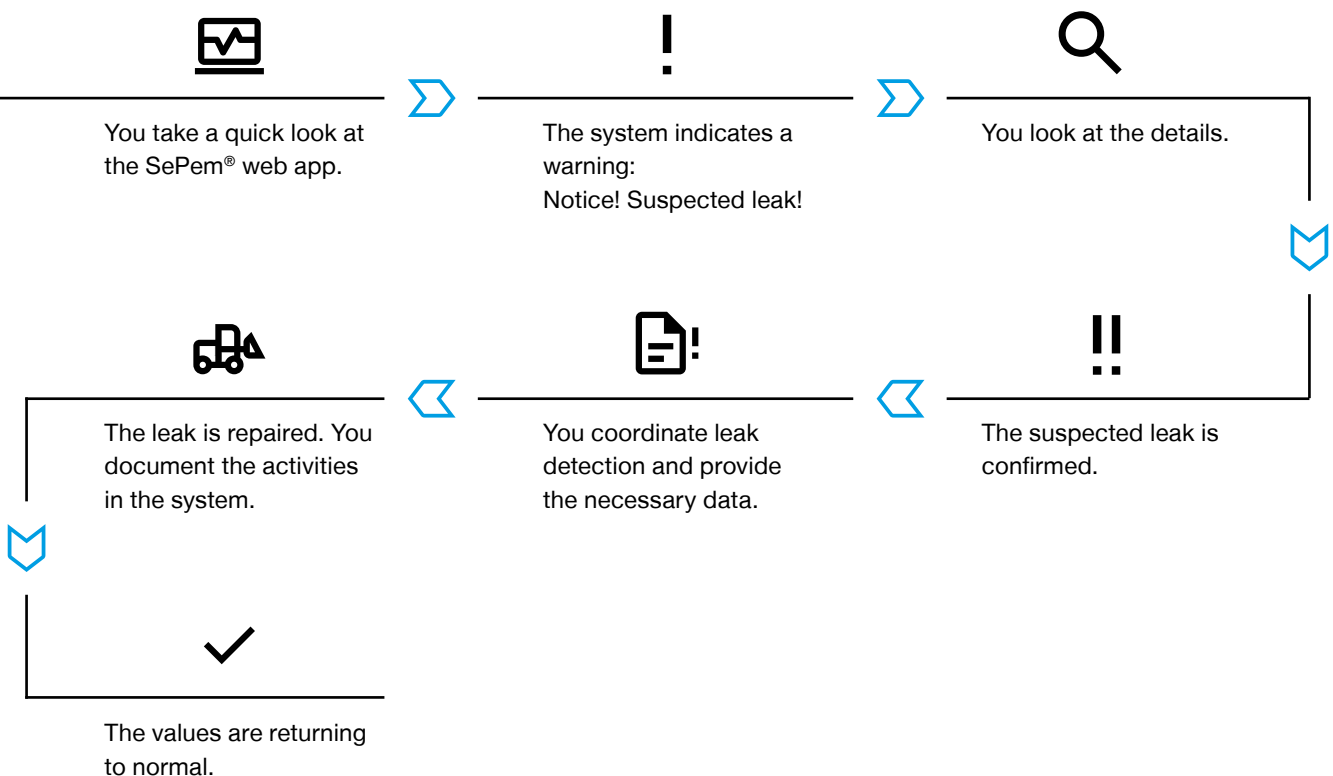
Detect leaks after

3 days

at the latest

How to work with the smart SePem® 351 solution

The SePem® 351 noise loggers detect noises in the drinking water pipe network. They transmit these measurement values via LoRaWAN® on a daily basis. This means changes in the pipe network can be monitored. SePem® 351 smart solution consists of noise loggers and the SePem® web app. The following is an example of the procedure to follow in the event of a suspected leak:



Even more advantages:



Reports regarding
experiences with the
SePem® loggers:



- + Highly sensitive piezo microphones with specially optimised frequency responses
- + Installation in existing fittings instead of costly installation of measuring zones with range meters
- + Protection class IP68: Suitable for continuous operation – even when constantly under water
- + Transmission of measurement data via LoRaWAN® – a network that you can control yourself
- + Attractive total cost of ownership thanks to 9-year battery life and maintenance-free operation of the loggers
- + Full data sovereignty possible

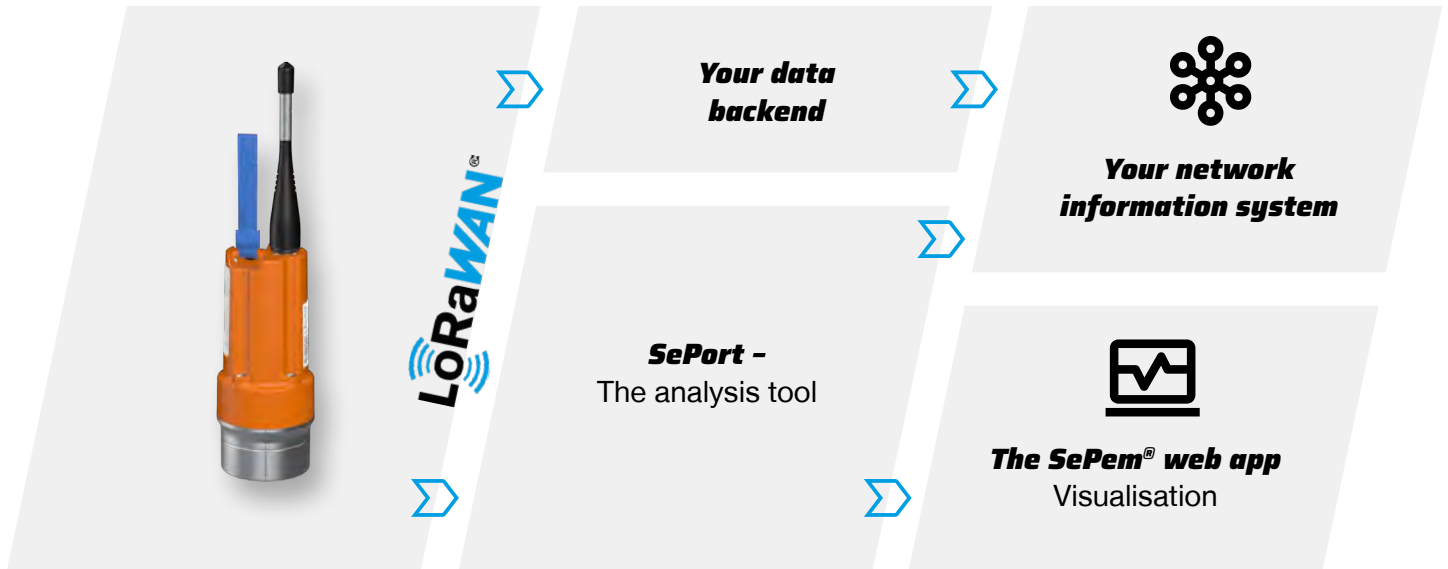
“I have also tested competitors’ products. In our experience, the SePem® 351 devices work once they are in place. They transmit data reliably and there are no maintenance costs. We know the price from the beginning so I can plan for it and there are no unpleasant surprises.”

Laurent Soubrouillard, leak expert at Veolia Eau Chaumont



How do you want to use the data? It's up to you.

The data from the noise logger is either transferred directly to your network information system or you can use the Sewerin SePem® web app to monitor your water pipe network. Both options are possible.



Data analysis and visualisation

The SePem® 351 solution facilitates your everyday life.

Detecting water leaks

***Supporting the activities of
the leak detection experts***

Keeping an eye on the functionality of the logger

Detecting water leaks

The SePem® web app allows you to analyse and document water leaks and suspected leaks confidently and efficiently. It is the basis for the fast and efficient reduction of water losses.



Minimum level

The adjustable minimum level function gives you a quick overview. If the set level is exceeded, you can recognise this directly on the map.



Leak analysis

This leak detection algorithm reacts adaptively to changes in the network, even with permanent background noise. Short-term disturbances such as heavy rain are suppressed.



Automatic documentation

The system automatically documents the noise level per measurement location. You can also comment on measurement locations.



Clear

The traffic light system makes it easy to interpret the results from each measurement location

Supporting the leak detection experts

You can make this information available to the leak detection experts or use it in other systems for workforce management.



Data export

Export data per measurement location, including the commentary.



Can be connected

This facilitates communication and the work of the leak locator.

Observing functionality

The basic prerequisite for evaluating the data is the certainty that the noise loggers are working reliably. Various aspects can be used to assess whether the noise logger is sending reliable data. Several parameters are continuously monitored.



Battery charge



Radio signal



Recency of last measurement



Transparent

All relevant features for the operational capability of the logger at a glance



Questions? Give us a call.

How do you want to get started in the world of smart water pipe network monitoring? What might a test setup in your water pipe network look like? Let's talk. Our service and sales team will be happy to help you select the right solution for you.

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Subject to technical changes.