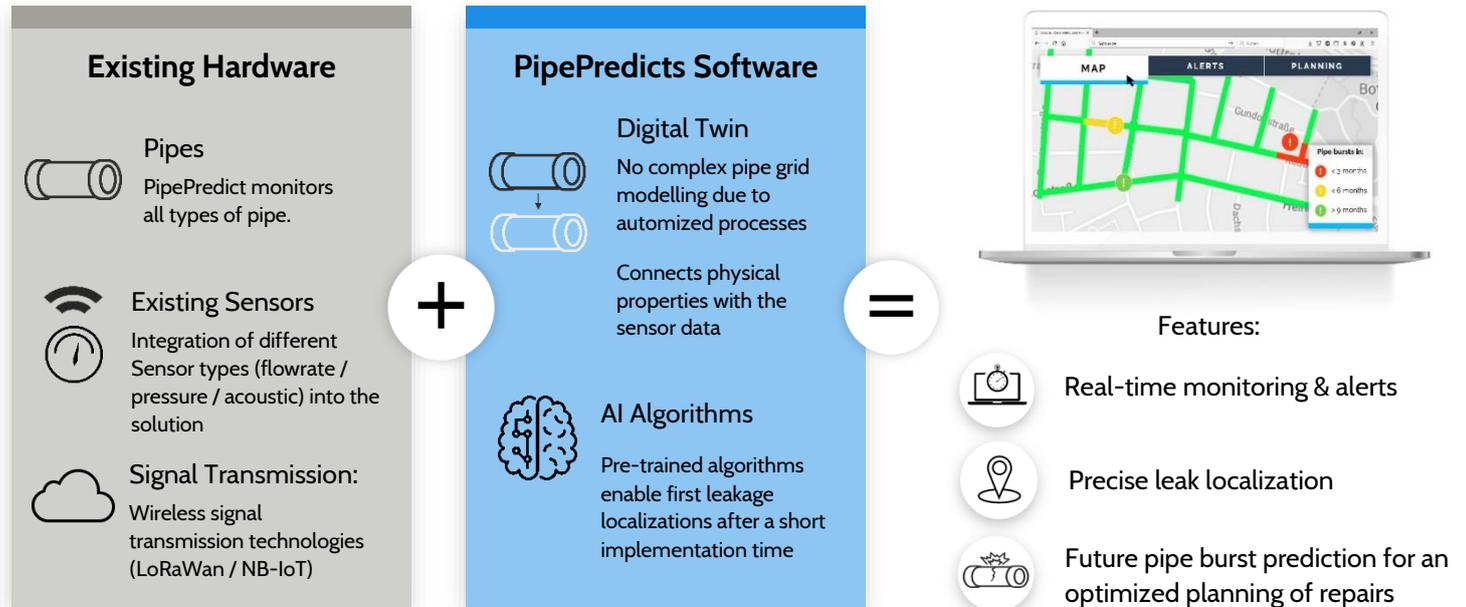


PipePredict – Live monitoring and pipe burst prediction for water grids

PipePredict is a special software solution optimizing pipe system operations.

Permanent monitoring of the pipe condition using sensor technology enables early and precise detection of leaks. Even difficult to detect leakages can now be monitored and upon growth localized precisely without any manpower.

How does PipePredicts technology work?



Vorteile:

- Cost reduction:**
Minimize water losses and save repair costs of up to 8.500€ per repair measure.
- All types of pipes:**
Applicable for plastic as well as metal pipes. Use your current pipes as long as possible.
- Economic repairs:**
Time-consuming search for leaks is no longer required, as these can be located instantly.
- Low installation effort:**
Due to the integration of existing sensors the implementation stays simple and economically.

Use Cases:

Two application scenarios:

- 1. Precise real-time localization of leaks**

Once a leak has occurred, our software solution reduces your leak detection costs by narrowing the search area down to the meter.
- 2. Pipe burst predictions for high efficiency**

Forecasts allow repairs to become plannable and prevent emergencies. By comparing water losses with repair costs, we calculate the cost-effective maintenance times at which you can take action.

Pilot project with:

- 1. Analysis:** Possible localization precision with existing sensors
- 2. Sensors:** Only if needed, additional hardware will be integrated without civil construction efforts
- 3. Digital Twin:** Automatically created using existing GIS-Data
- 4. Real-time monitoring:** Monitoring of pipes in real-time, early detection and precise localization of leaks without necessity of your manpower



Which precision and savings are possible in your pipe system? Let us analyse your pipe network now!