

## Data Management and Analysis



**You probably collect large quantities of data about your network, including, for example, inspection reports for stations, pipeline leakage detection details, breakdown records or other information. This data is valuable not only because it forms the basis for scheduling repairs, but also because it can be used to set out replacement and maintenance policy.**

This means that your data not only has to be complete and accurate (because it is the foundation for your operating processes), it must also be linked together correctly and supplemented with other information.

Kiwa Technology has specialists who with experience in analysing large quantities of data. Kiwa Technology has in-house consultants who can advise you on how your data can be supplemented with, for example, information about properties of materials, soil details or weather information to enable more accurate conclusions to be drawn and to help justify reductions in your investment and maintenance costs, which leads to improved control of your network's safety and reliability.

### **Areas of application:**

- GIS information systems
- Maintenance information
- Breakdown registration
- Asset registration
- Company resources registration

### **Applicable to:**

- Asset managers
- Operational managers of network operators/energy network administrators
- Data specialists
- Process specialists
- Risk specialists

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- Maintenance specialists

The painstaking and consistent registration of static data (information about company resources, including for example, materials, location, age, construction date, etc.) and dynamic data (information received about breakdowns, maintenance and incidents) concerning your company resources is vitally important for optimising your operating processes. Using the available data, risks can be identified and valuable analyses be made which help in assessing them.

In asset management systems, the value of this data is recognised and a great deal of attention is devoted to this topic. Supervisory bodies have also discovered the importance of accurate data, registration and analyses in monitoring the safe operation and maintenance of your network.

Depending on what Kiwa Technology is precisely requested to do, we can provide assistance in setting up, organising and supplementing your data management systems and in performing analyses

- Zero measurements, registration of requirements, wishes and priorities and/or mapping out current systems and interrelationships
- Plan of action for data improvement and/or process improvement, including prioritisation
- Analysis of data
- Implementation, implementation plan