ROAK
HOME FOR DATA

DATA AT YOUR FINGERTIPS

ROAK is your new home for all environmental data. Whether you collect data on soil, water, meteo, or drilling - all sensor data connected to a specific location can be transferred to our new innovative platform. ROAK offers various features that help you make the most of your data:

KEY FEATURES OF OUR ROYAL OPTIMISED AUTOMATED KNOWLEDGE
- Operational Efficiency: Improve your processes and make the best use of your resources.
- Risk Management and Cost Savings: Reduce risks and save on operational costs.
- Environmental and Compliance Benefits: Stay compliant with environmental regulations and enhance your sustainability efforts.
- Advanced Data Integration and Sharing: Easily integrate and share data across your system.
- Understanding your needs: ROAK is designed to meet the unique needs of each industry we serve. Our platform addresses your specific challenges.

READY FOR THE FUTURE
With our IoT platform ROAK, you'll benefit from a future-proof design:
- Connect devices from various manufacturers.
- Integrate any systems you may already have or are planning to have in the time to come.
- The cloud-based software enables data modelling and allows for efficient user management.
- APIs make convenient and easy connectivity with other platforms possible.
- Rather than receiving static reports, you can interact with the data.
- Prepare for the transition to Industry 5.0 with advanced data insights.

CONVENIENT
ROAK is your all-in-one solution for data management. It offers real-time status displays, reports, alerts, user, and role management – everything you need in one place.

CUSTOMISATION
Get the information that matters to you by selecting the parameters you want to see in your dashboards and reports.

PERFORMANCE
With access to both historical and real-time data, you can ensure smooth operations, understand contextual information better, manage your network 24/7, identify inconsistencies, and anticipate downtime.

ROAK FOR WATER MANAGEMENT

COMPREHENSIVE WATER SOLUTION

ROAK provides a complete water management solution for both researchers and businesses.
By using smart sensors in various water sources, you gain comprehensive insights into water quality, level, flow, rainfall, and soil moisture.

Benefits include:

◆ Extensive Monitoring:
Continuous insights into various aspects of water management for a thorough approach.

◆ Climate Data:
Detailed data on rainfall and soil moisture to understand and manage climate change effects.

◆ Optimisation of Water Management:
Optimise water usage, minimise waste, and gather valuable data for sustainable water management.

GROUNDWATER MONITORING

The ROAK IoT platform offers a reliable solution for groundwater monitoring. By placing smart sensors strategically, you can continuously monitor groundwater levels. Benefits include:

◆ Real-time Insights: Immediate access to current groundwater data for quick decision-making.

◆ Preventive Measures: Analyse trends to take preventive measures against water shortages and floods.

◆ Cost Savings: Save time and money by reducing manual measurements.

ROAK FOR DRILLING: MONITORING WHILE DRILLING

The data collected with the Monitoring While Drilling system lets you manage your assets more efficiently. The system monitors various aspects of both the drilling process and the machine. Combined with the features of ROAK, you'll benefit from:

◆ Remote Operations: Borehole planning and real-time monitoring allow you to manage and keep track of drilling campaigns and a fleet of rigs from anywhere in the world.

◆ A database of historical drilling data, as well as drill settings for specific geological contexts, drilling equipment and circumstances, to learn how your machine performs in different geological contexts

◆ Predictions when your rig is likely to require maintenance, to help prevent downtime.

◆ Bridging the gap between office and field crew.