



SCUBIC FLUVIUS

Groundwater Intelligence
System



 scubic[®]

www.scubic.pt

SCUBIC FLUVIUS



SCUBIC FLUVIUS is an intelligent system for monitoring and managing aquifers, powered by IoT technologies and artificial intelligence to ensure the sustainable use of underground water resources.

Main Features

- Real-time monitoring of aquifer levels (IoT wells)
- Intelligent algorithms for recharge/extraction balance
- Digital Twin of aquifer behavior
- Climate simulations and contingency planning
- Automatic reports for regulators

Benefits

- Protects underground water resources
- Eliminates assumptions – bases decisions on real data
- Ensures legal and regulatory compliance
- Promotes environmental sustainability
- Adapts to any operation size



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Based on the **Optimal Pumping Control module**, it allows to:

- Improve aquifer and well management
- Schedule pumping operations
- Select the optimal frequency for variable speed
- Prioritize cheaper energy tariffs
- Integrate SPOT market prices
- Integrate water quality data

