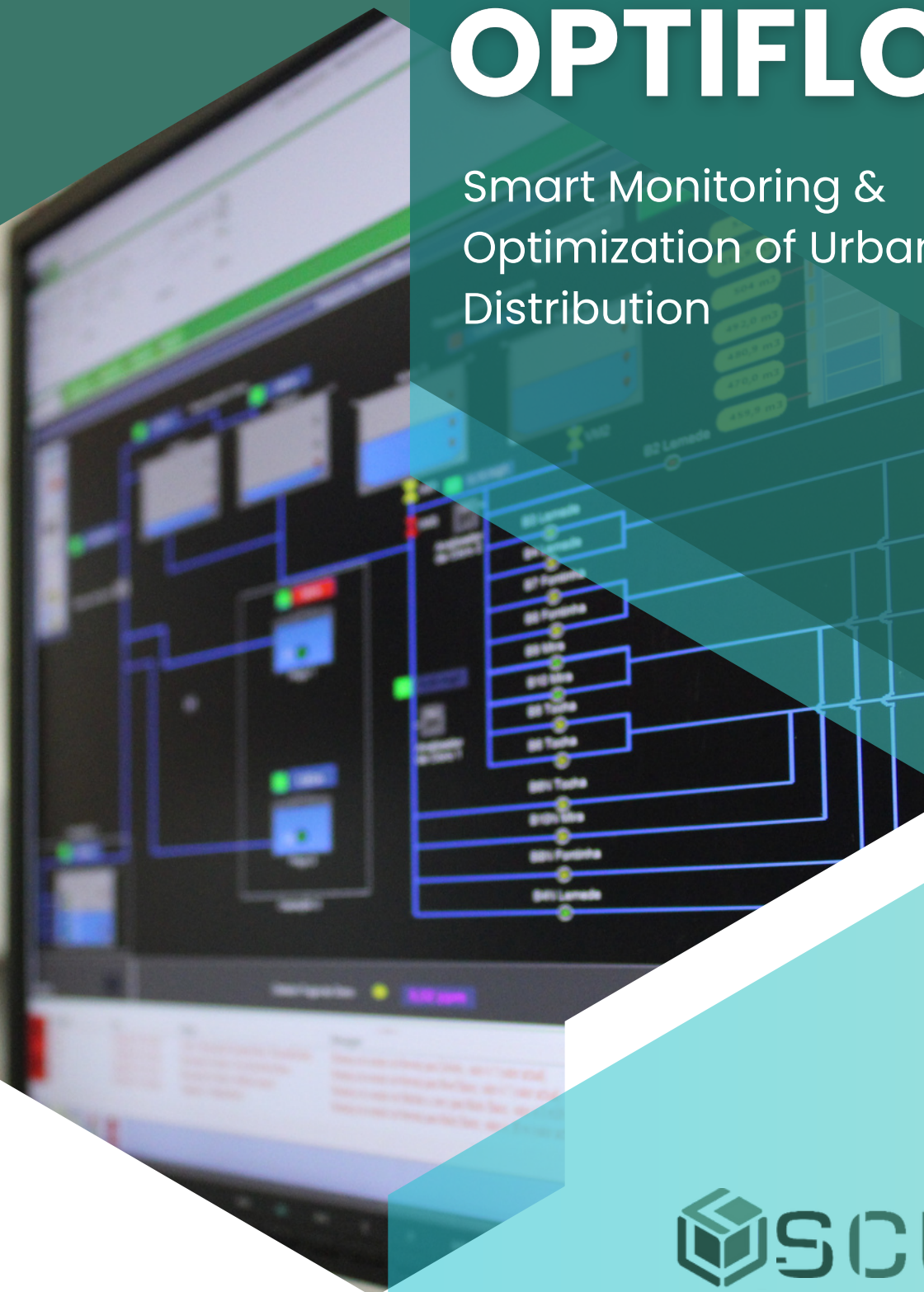




SCUBIC OPTIFLOW

Smart Monitoring &
Optimization of Urban Water
Distribution



 **scubic**[®]

www.scubic.pt

SCUBIC OPTIFLOW



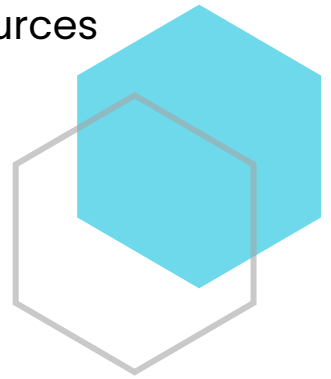
SCUBIC OPTIFLOW is a smart platform that monitors and optimizes urban water networks in real time. It helps save energy, reduce losses, and make data-driven decisions with greater speed and confidence.

Key Features

- Real-time monitoring of operational KPIs
- Tracking of water volumes, energy consumption, and costs
- Integrated automatic and historical reporting
- Pump optimization (dynamic tariffs, VSDs)
- Integration with SCADA, GIS, and renewable energy sources
- Scenario simulation using Digital Twin

Customer Benefits

- Reduction in energy and operational costs
- More effective planning and faster decisions
- Easier regulatory compliance
- Lower carbon footprint and greater sustainability
- Adaptable to both small towns and large cities
- Scalable and compatible with existing systems



SCUBIC OPTIFLOW



This product uses the **Optimal Pumping Control module** to improve pump operation (on/off) and variable speed frequency, in order to achieve maximum efficiency and minimum costs, prioritizing energy tariffs outside peak periods.

Main Features

- Schedule pumping operations;
- Select the ideal number of pumps to meet demand;
- Define the optimal frequency for variable speed;
- Prioritize cheaper energy tariffs (off-peak);
- Optimize based on daily energy tariffs (SPOT);
- Properly manage the energy mix.

