

Enhancing Water Treatment Efficiency Through Ignition-Based SCADA Modernization

Client Profile

A regional water treatment facility dedicated to delivering safe water through efficient and compliant system.



Ignition has completely modernized our operations. We now have a scalable, cost-effective, and secure system that gives us the visibility and flexibility we've long needed.

-Director of Operations

CHALLENGES

The client struggled with:

- High licensing and maintenance costs tied to their legacy SCADA/HMI systems
- Limited scalability and rigid architecture restricting future upgrades
- Absence of remote monitoring hindered effective system performance tracking
- Increased cybersecurity risks due to outdated software
- Lack of integration across key operational systems

SOLUTIONS

The client partnered with ITHENA and implemented an Ignition-based SCADA modernization:

1

Cost-Effective Migration

Replaced legacy SCADA with a modular, scalable Ignition platform reducing licensing and maintenance overhead

2

Future-Ready Foundation

Established a scalable, open architecture - ready for future system expansion and AI/ML based analytics

3

Performance Monitoring

Enabled real-time visibility into asset performance contributed towards continuous monitoring

4

Secure Architecture

Implemented modern security standards to mitigate vulnerabilities and ensure regulatory compliance



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OPPORTUNITY FOR IMPACT

32%

Improvement in
system uptime

22%

Reduction in annual
maintenance costs

24%

Boost in operational
efficiency