

CASE STUDY

Accelerating Decision-Making Through Real-Time Data Integration with Ignition

Client Profile

A Fortune 500 chemical manufacturer delivering specialized products through a global network of production facilities.



With ITHENA and the Ignition platform, we've broken down long-standing silos between our plant floor systems and enterprise applications. For the first time, our teams, from operations to corporate, have access to real-time, reliable data in one place. It's transformed our ability to collaborate, respond quickly, and make informed decisions at every level of the organization.

- Chief Digital Officer

CHALLENGES

The client struggled with:

- Fragmented data sources across PLCs, historians, MES, ERP, and other systems
- Manual data entry processes prone to delays and errors
- Disconnected OT and IT systems preventing unified performance tracking

SOLUTIONS

The client partnered with ITHENA and integrated the IT & OT systems using the Ignition platform:

1

Unified Data Integration

Connected PLCs, MES, ERP, and databases through a centralized platform to eliminate silos

2

Seamless Data Flow

Removed manual touchpoints to improve data accuracy and reporting speed

3

IT/OT Convergence

Established secure, bidirectional data exchange between enterprise systems and the plant floor for a unified view across the enterprise

4

Holistic Operational Visibility

Delivered persona-based dashboards for real-time visibility into the operation



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OPPORTUNITY FOR IMPACT

34%

Faster decision-making

4x

Faster data entry

64%

Drop in data quality issues