

CASE STUDY

Optimizing Production Performance and Data Reliability for a Leading Craft Brewery

Client Profile

A prominent craft brewery specializing in producing high-quality beers through advanced brewing techniques and sustainable manufacturing practices.



ITHENA's solution optimized system performance, controlled database growth, and ensured **reliable OEE data**, enabling faster production insights, scalable operations, and data-driven decision-making.



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CHALLENGES



The client struggled with:

- Difficulty in maintaining consistent system performance as data volumes increased.
- Limited scalability of existing infrastructure to support future growth.
- Rapid and uncontrolled database growth affecting system stability and costs.
- Lack of complete and reliable OEE data for accurate performance measurement.

SOLUTIONS



ITHENA, in partnership with Ignition, empowered the client with:

1

Scalability & Performance Optimization:

Optimized server capacity, database growth, and logging for a high-performance, scalable architecture for the Ignition SCADA application

2

Optimized Data Logging & Retention:

Implemented logging-on-change, dead-bands, and retention controls to limit database growth on Ignition Tag Historian Module

3

OEE Data Readiness & Alignment:

Closed data gaps, manual data entry automation, and aligned OEE calculations with industry standards

4

Reliable Production & Historical Insights:

Validated OPC data and enabled fast access to aggregated historical insights without querying archived databases

5

Solution Design & Roadmap:

Delivered a solution design document with recommended approaches, timelines, and cost estimates

OPPORTUNITY FOR IMPACT



58%

Reduction in database growth rate

24%

Higher OEE data accuracy and reliability

29%

Improvement in system performance