

Accelerate Your “Plant Data to Plant Intelligence” Journey



Digital Command Centre

Industry 4.0 is accelerating smart manufacturing initiatives aimed at developing efficient, agile, and sustainable manufacturing operations. While manufacturers want to establish operations visibility and KPI tracking, it gets challenging to acquire real-time data from disparate data sources and legacy systems and then analyze and present only the relevant information to different stakeholders.

LTI's Digital Command Centre, powered by AWS is a bundled solution for data acquisition at the edge, data management, and KPI monitoring and analysis. It is a “Fit for purpose” persona-driven solution that helps the stakeholders in effective decision making. With a plug-and-play approach, there is flexibility to add different modules incrementally based on the requirement.

“Fit for Purpose” library of “Persona & Outcome” centric solutions

Overall Plant Level

Energy management

OEE performance

Virtual storage guide

OT asset monitoring

Digital twin of production line

Material track & trace

Quality

- Inline quality check
- Batch performance analysis
- Digital CUT

Maintenance

- Machine performance
- Predictive Maintenance
- Tool & calibration & maintenance

Shop Floor Operations

- Tool performance monitor
- Digital Kanban
- Digital work Instructions
- WIP parts tracking Monitor



Key Highlights

Plug and play solution with modular architecture for Real time actionable insights

Data acquisition from plant applications and legacy machines using universal connector & AWS Sitewise Gateway

DCC leverages the power of advanced analytics using Amazon SageMaker at edge & on cloud

Preconfigured dashboards for KPIs e.g OEE

Leverage power of advance analytics using Amazon SageMaker at edge & on cloud

Monitor health of OT assets to avoid process interruptions

Customer Success

12% improvement in equipment uptime for one of the largest natural gas processors and NGL producers.

Machine connectivity, OEE improvement of **10%-15%** for an American-Irish multinational power management company.

10%-15% MTBF improvement leading to better equipment efficiency and availability for an American multinational medical device, pharmaceutical, and consumer packaged company.

Early Value Realization

Pilot Approach

OEE for 5 machines

Data acquisition from plant application as per template

Pre-configured dashboard - OEE

Hosting solution on AWS Cloud

Site readiness by customer

Offer Price (USD \$30,000)

Network infrastructure including Gateway

Data availability as per the DCC OEE template

Remote access to the system (SCADA & Gateway)

Support for uninterrupted data flow

Support for data integration



Actionable insights for effective decision making



Reduction in unscheduled downtime through predictive maintenance



Improved worker productivity



High production efficiency and yield



Reduced operational costs

About LTIMindtree

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700+ clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by nearly 90,000 talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit www.ltimindtree.com.

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