

UBTI Unveils the Production Potentials of Vessel Operations

WHO WE ARE

“UB Technology Innovations is a Microsoft Power Platform delivery partner offering no/low-code solutions, virtual bots, RPA, and data insights. We help clients on their digitalization journey by automating tasks, optimizing workflows, and providing a competitive edge through quick app deployment.”

WHAT WE DO

- Compliance and Security
- Enhance Productivity
- Improve Time to Market
- Reduce Operational Costs
- Maximize Profits
- Customer Experience



THE CLIENT

The Client is a leading US-based shipping company that serves customers globally. They cater to diverse terminal services, including marine cargo transportation, warehousing, and harboring services, and are well-known for supply chain management.



CHALLENGES

With no mode of tracking vessel productivity, the client couldn't assess the operational performance against its optimum/expected target, which led to poor vessel management at terminals. To progress toward prompt vessel movement and go beyond timeliness standards, an efficient reporting system expected the client to interact with and analyze the crucial operational factors contributing to vessel movements.





SOLUTION

UBTI's Power BI team was able to identify and analyze all the factors that contribute to vessel movement. Then we interacted with their Terminal Operating System (TOS) to break down vessel productivity by time period, which was then integrated into the dashboard

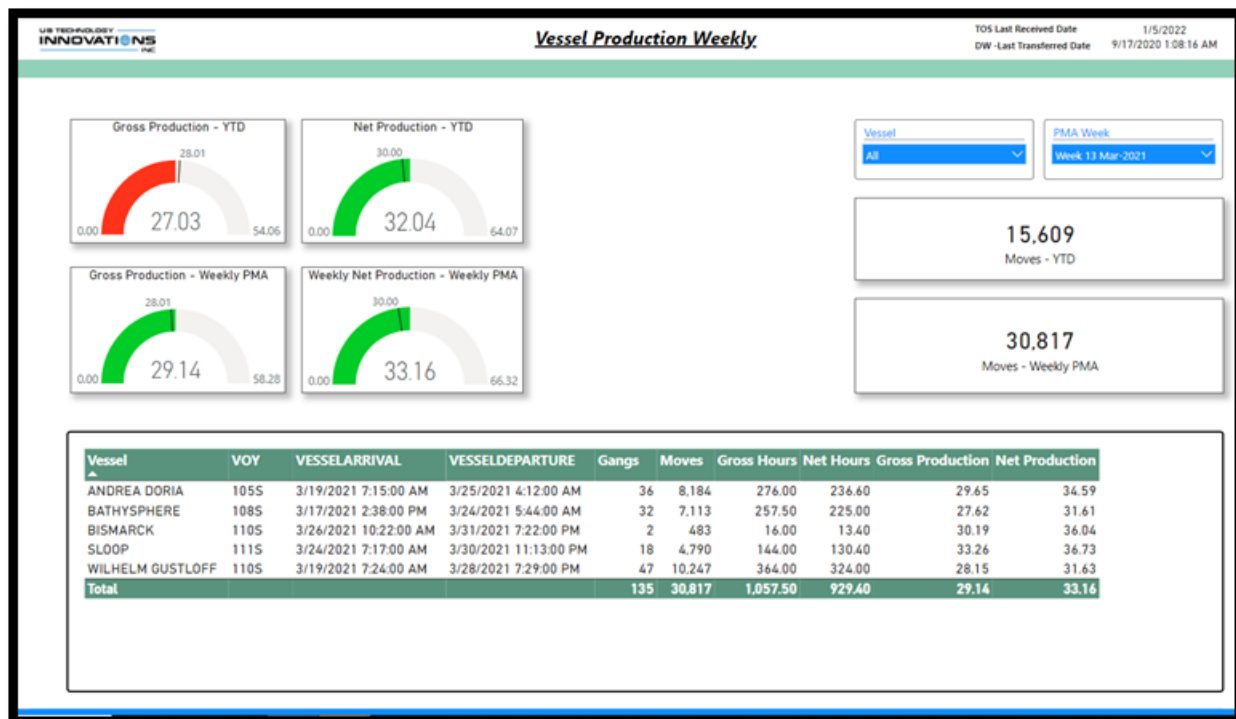
The time consumption between the loading and unloading and the moves that consumed the retention of loads aided in the assessment of both gross and net vessel productivity.

The enhanced tracking of motives behind the vessel moves helped to understand the workflow better, and the calculation of circumstances that delayed/halted the vessel's moves helped to mitigate Operational Risks.

Overall, the Power BI solution module provided an eagle eye view of the vessel movements with breakdowns that accelerated the coherence of the vessels.

The solution included the following analytical dashboards of Vessel Operations:

- Weekly Vessel Production
- Breakdown of weekly Vessel Production
- Monthly Vessel Production
- Visuals of vessel movement types
- Daily Production





SOLUTION BENEFITS

The Vessel Operation dashboard gave better traceability and greater control;

Accurate Tracking of Vessel Moves:

By continuously monitoring vessel locations, statuses, and conditions, they gained real-time insights into the movement of their goods and identified potential bottlenecks in the shipping process.

Mitigation of Operational Risks:

By analysing operational factors and anticipating potential delays, they developed strategies to address challenges before they arose. This foresight empowers them to take corrective actions and maintain a reliable supply chain.

Lean Management:

They reduced turnaround times and optimized resource utilization by analyzing workflows and eliminating unnecessary steps. This lean approach led to a more efficient and cost-effective supply chain.



ABOUT US

UB Technology Innovations, Inc. (UBTI) is a leading global technology solution provider with more than 3 decades of experience across all industries, specializing in Capital Markets (Asset Management), Logistics and Healthcare. We are the preferred Microsoft Gold Certified partner backed by a world-class team of Microsoft Certified experts with rich experience in Azure Cloud Platform and Data Analytics.



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