

Transforming Bulk Oil and Gas Logistics with IoT

Leveraging IS OIL TSW for Digital Innovation and Operational Efficiency



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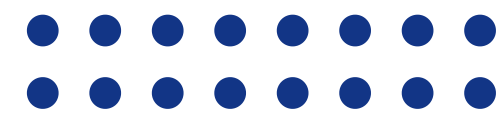
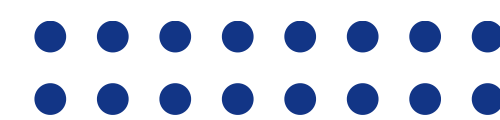


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Industry Context and Challenges



The Oil and Gas Logistics Landscape

- The global oil and gas industry is valued at \$3.3 trillion as of 2023.
- Inefficiencies in logistics can lead to substantial financial losses, affecting profitability.
- A mid-sized refinery processing 250,000 barrels/day (valued at \$20M daily) can incur massive losses from delays or errors.
- Increasing reliance on automation and integration to manage complex, multimodal logistics.

Introduction to IS OIL TSW

What is IS OIL TSW?

- IS OIL Traders and Scheduler's Workbench (TSW) is an advanced logistics management software.

Core functionalities include:

- Nomination management for product scheduling.
- Electronic ticketing for accurate documentation.
- Multimodal transport support (rail, pipeline, marine).
- Inventory reconciliation to prevent discrepancies.
- Integration with terminal invoicing systems.

Designed to streamline bulk sales, purchases, and transfers with unmatched accuracy and speed.



Core Functionalities of TSW

Key Features and Capabilities

Nomination Management:

- Real-time updates and coordination across stakeholders.
- Handles high transaction volumes with scalability.

Ticketing System:

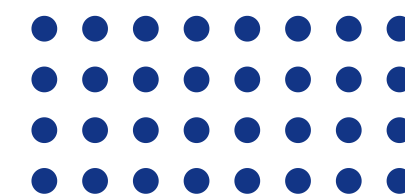
- Reduces documentation errors by 95%.
- Supports processing of up to 10,000 daily tickets.

Multi-Modal Support:

- Unified logistics management for rail, pipeline, and marine.

Inventory Reconciliation:

- Achieves 99% reduction in inventory discrepancies.



Quantitative Impact

Impact of TSW on Operations

Error Reduction:

- 95% reduction in documentation errors.

Efficiency Gains:

- Processes up to 10,000 daily tickets.

Inventory Accuracy:

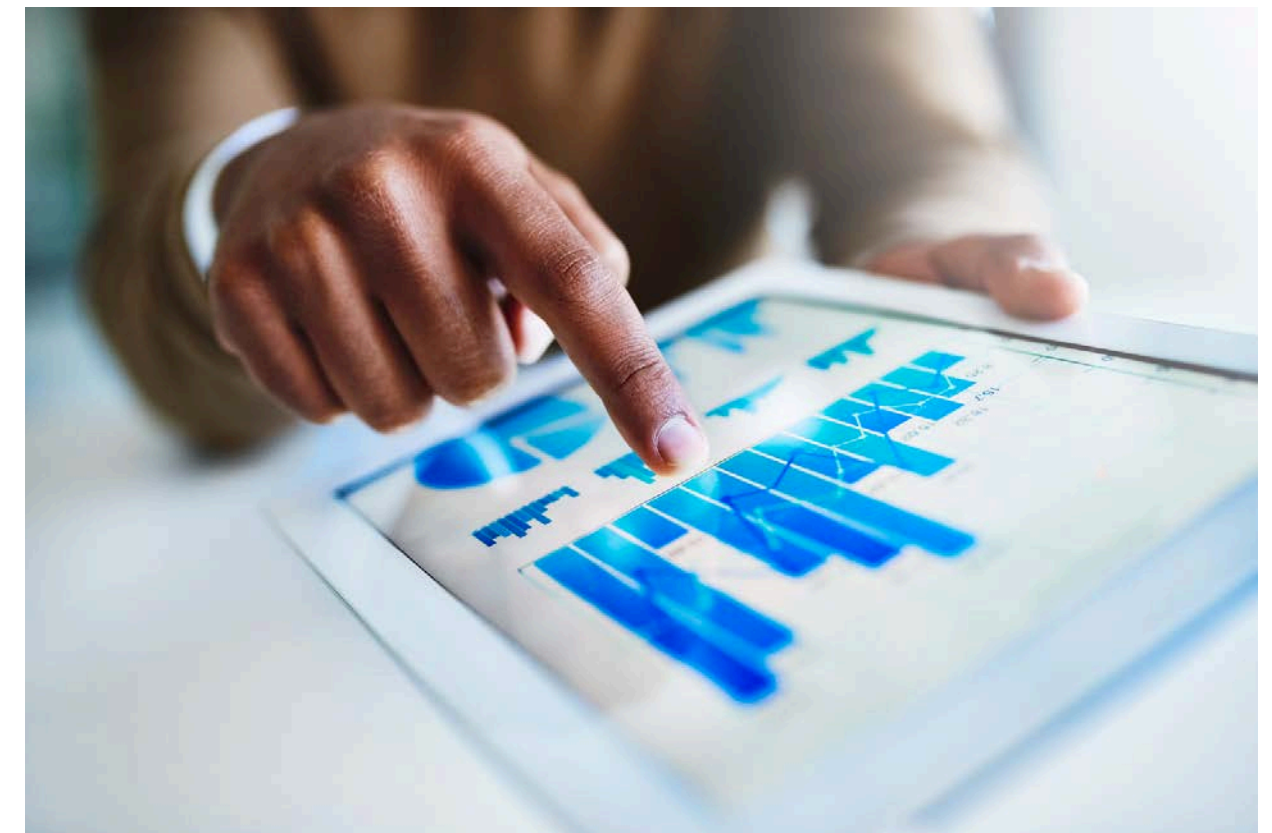
- 1% improvement translates to \$1M in annual savings for mid-sized refineries.

Reconciliation Time:

- Reduced by 60%, enabling faster decision-making.

Invoice Processing Time:

- Reduced by 70%, improving financial efficiency.



Alignment with Industry Trends

Driving Automation and Integration

Automation Technologies:

- Market value projected to grow to \$22.1B by 2027.
- Enhances safety, reduces human error, and boosts productivity by up to 25%.

Integration Technologies:

- Cloud applications market expected to reach \$10.9B by 2027.

TSW's Role:

- Integrates seamlessly with existing inventory and invoicing systems, reducing reconciliation and processing times significantly.



Benefits of IS OIL TSW

Business Benefits

Enhanced Accuracy:

- Reduces human errors, improving reliability in operations.

Improved Efficiency:

- Enables teams to manage more transactions with less effort.

Better Visibility:

- Real-time updates reduce inventory holding costs by up to 15%.

Regulatory Compliance:

- Minimizes compliance risks, reducing associated costs by 30-50%.

Cost Reduction:

- Optimizes logistics processes, achieving significant cost savings.



Case Study: Operational Impact

TSW in Action

- A mid-sized refinery processing 250,000 barrels per day required a robust logistics solution to overcome inefficiencies in scheduling, ticketing, and reconciliation.

Improvements Achieved with TSW:

- Inventory reconciliation reduced to 30 minutes.
- \$10 saved per ticket with electronic ticketing.
- Real-time visibility enhances decision-making and reduces operational delays.



Future Outlook



Shaping the Future of Oil and Gas Logistics

Digital Transformation Goals:

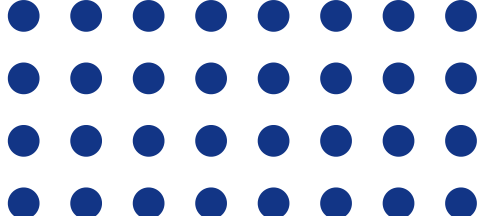
- Unlock \$2.5T in value by 2030 through efficiency and automation.

Technology Adoption Trends:

- Greater reliance on AI, cloud technologies, and sustainability-focused solutions.

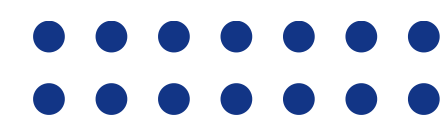
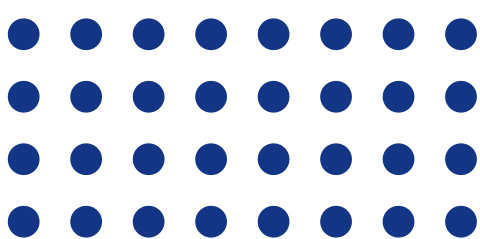
TSW's Role in the Future:

- Continued evolution to meet rising demands for faster, smarter, and more sustainable logistics solutions.



Conclusion

The IS OIL Traders and Scheduler's Workbench (TSW) is revolutionizing bulk logistics management in the oil and gas sector by driving automation, integration, and operational excellence. It addresses critical industry challenges, ensuring accuracy, efficiency, and compliance while reducing costs. As the industry evolves, TSW provides the tools necessary to stay competitive and sustainable. Join us in transforming oil and gas logistics – contact us today to explore implementation opportunities and partnerships. Let's shape a smarter, more efficient future together.





Thank You

