

White paper

# Why having an ERP system is essential for storage terminals: optimization, safety, and performance



Storage terminals, as strategic infrastructures, ensure the storage, management, and distribution of hydrocarbons. They play a key role in the global economy by guaranteeing the energy supply for numerous industries and consumers. Their proper functioning is therefore a critical factor for both energy and economic stability.

However, these depots face major challenges that require strict management and constant monitoring.

## Stock management

Among the main challenges is stock management, which is crucial to avoid supply shortages or, conversely, overstocking. The latter can not only lead to significant financial losses but also result in a waste of resources that is difficult to justify. Moreover, an ERP system enables better control of customer billing, ensuring greater transparency and improved visibility of transactions per customer.

## Safety and environmental regulations

At the same time, storage terminals must comply with strict safety and environmental regulations, aimed not only at protecting employees but also at limiting the environmental impact of operations. To achieve this, rigorous monitoring and complete traceability of activities are essential.

## Logistics traceability and cost management

Logistics traceability represents another major challenge. It ensures smooth transport flows, timely deliveries, and, above all, helps prevent shortages that could disrupt the entire supply chain. Poor management in this area can have serious consequences for the entire oil and regional ecosystem.

Finally, profitability and cost control are central concerns for storage terminal managers. Inefficient management can quickly lead to additional costs, operational inefficiencies, and ultimately, a loss of competitiveness compared to more agile and better-equipped players.

# How to optimize storage terminal management?

## Our Comparison:

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### Traditional management

- Manual and fragmented management.
- Data is recorded and updated manually in Excel spreadsheets or on paper.
- Flow planning relies on human expertise.
- High risk of human error in data entry.
- Difficult coordination between teams and processes.
- Lack of responsiveness to unforeseen events and demand fluctuations.
- High operational costs due to inefficiencies and losses caused by poor anticipation.

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### ERP-based management

- Enables the modernization of storage terminals processes and the optimization of their performance.
- Allows automation, centralization, and increased reliability of operational management.
- Can be modular and scalable to adapt to the growing needs of a storage terminal.

## How to choose the right ERP for your terminal?

Choosing an ERP system for a storage terminal is a strategic decision that must take several criteria into account to ensure effective deployment and performance improvement. Here are the key aspects to consider:

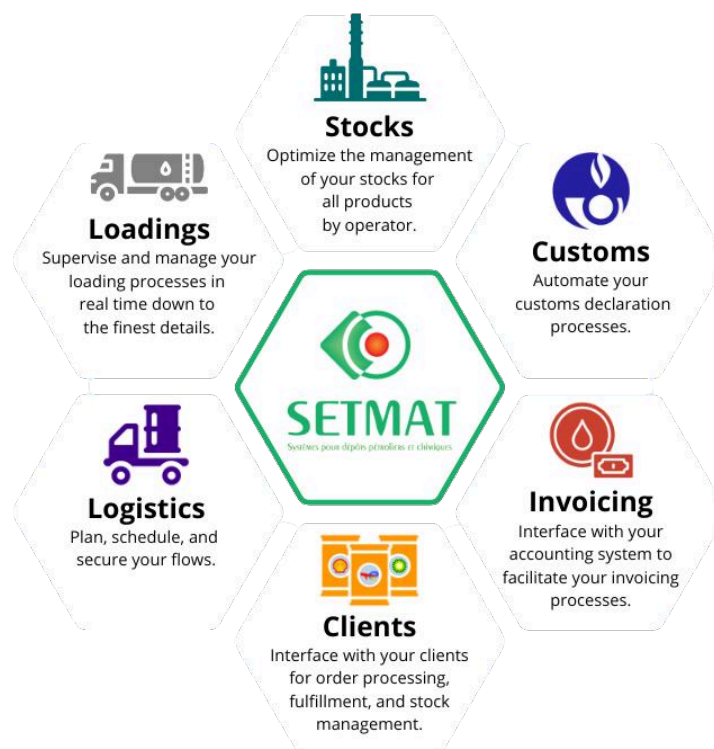
- **Modularity and scalability:** The ERP must be adaptable to the terminal's specific needs and capable of evolving with the company's growth.
- **Compatibility with existing systems:** Integration with already existing software and equipment.
- **Ease of use and user-friendliness:** An intuitive interface allows for quick adoption by field teams.
- **Security and compliance:** The ERP must meet the oil sector's strict regulatory standards.
- **Accessibility and hosting options:** Cloud or on-premise? Each option has its advantages depending on mobility needs and data security requirements.

## Key questions to ask ERP providers

Before choosing an ERP, it is essential to ask the right questions to ensure the solution fully meets the requirements of your storage terminal:

- What oil industry-specific features does your ERP offer?
- How does the ERP integrate with our existing tools?
- What level of customization is possible to match our processes?
- What is your support and maintenance policy?
- What is the total acquisition cost, including updates and future upgrades?





## How does our SETMAT ERP address your challenges?

The SETMAT ERP is specifically designed to meet the needs of storage terminals by integrating best practices from the industry. It stands out thanks to:

- **A unique offering that includes two software modules:** one dedicated exclusively to truck loading management (automated), and another focused on stock management (with manual entries).
- **An on-premise infrastructure:** ensuring real-time operation, typically preferred for the level of data confidentiality it offers.
- **Centralized and automated stock management,** with supervision and supply optimization.
- **Real-time tracking of operations,** with the ability to intervene even on closed days or past entries in case of error.
- **A WebDP Pack interface,** allowing storage terminal's customers to directly view their information.
- **An intelligent queuing system,** paired with a scheduling module for drivers, ensuring automated prioritization.
- **Direct connection with the CPDP,** the central data exchange body, ensuring optimal interoperability.
- **Modern loading supervision,** with real-time filling and precise additive management down to the milliliter.
- **On-site equipment,** including touchscreen terminals with biometric recognition, additive blending panels, additive injectors, badge readers, and driver badges.

With SETMAT, storage terminals benefit from a complete solution combining ERP software and physical equipment, ensuring maximum operational efficiency, cost reduction, and continuous improvement in safety and profitability.



## Interested in the SETMAT ERP?



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