

Enhance your terminal operations
and performance.



Terminal Management Solutions
Streamlining commercial and field operations.



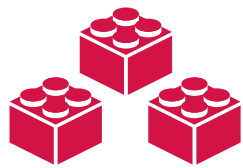
You are expected to do more with less, while dealing with increasing customer and market demands.

With Emerson's Terminal Management Solutions, you have a single supplier that can provide configurable solutions for managing the business side of your terminal down to basic control of each gantry and movement. Gone are the days of integrating components from multiple vendors – now you can get an integrated solution from a single provider that works as promised from day one. Improved throughput, efficiency, and cash flow are all in reach.

Our terminal solutions address your toughest challenges.



Integration



Flexibility



Optimization



Security

- + Avoid the islands of automation that require painful integration and eliminate the risks associated with pieced-together solutions
- + Scheduling tools that minimize conflicts and maximize assets
- + Flexible and scalable within a facility





Instead of being distracted by frequent emergencies and problems, what if you could have real-time process insights that improve throughput while improving customer retention?

Streamline operations within a synergy of integrated solutions.

Emerson's Terminal Management capabilities optimize and streamline commercial processes within and across storage terminals. Our solutions are comprised of best-in-class business and operations software providing terminal operators with turnkey capabilities to manage contracts and orders, administer inventory, produce invoices, control and automate movements and the loading process, and measure liquid hydrocarbons.

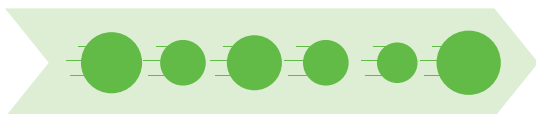
What's your challenge?

- Complex logistics requirements
- Limited operational flexibility
- Greater product diversity
- Limited storage



What's your opportunity?

- Faster product transfer
- Timely information transfer
- Improved cash conversion cycle





Optimize operations for increased revenue and profits.

Lack of visibility created by manual work and commercial processes results in lost opportunities. Connecting the field to commercial operations tightens your order to the cash cycle, accrues expenses and costs more accurately, reduces lost opportunities and increased customer service.

Generate exceptional customer experiences.

Maintaining customer satisfaction is paramount in today's market. Whether your customers are internal or external, our real-time portal keeps them informed with the latest information for orders, inventory, scheduling, and invoicing.

Increase efficiency to reduce expenses.

You spend a lot of time and money on manual processes – contract management, order entry, data recording, manual lineups, manual work orders, and ticketing. Then you spend even more by doing it a second or third time to fix costly mistakes. Do it right the first time with automated systems and start saving money from day one.

Improve asset utilization.

If you want more throughput, you need new assets, right? Not necessarily. Our best-in-class scheduling tools provide you the ability to optimize your terminal operations, allowing you to de-bottleneck your facility resulting in top line revenue increases of 5-15%.

A complete portfolio of solutions that address terminal operations from field to enterprise.



Terminal Management Solutions

Emerson's terminal management solutions deliver innovative technology to enable optimum performance at your terminal. By integrating and streamlining operations and commercial functionality, operators have a solution that truly allows a single interface for performance optimization.

Terminal Automation Solutions

Emerson's leading portfolio of automation solutions for terminal automation can be used from single bays to the largest facilities in the World. Our lineup of best-in-class preset controllers, control systems and asset management suite deliver accurate loading, facility control and diagnostic monitoring of your devices.



Terminal Management Solutions



Synthesis®

Enterprise level order-to-cash application for managing contracts, order and inventory.



TerminalScheduler®

Planning and scheduling tools for identifying constraints and optimizing terminal resources and assets.



TransportPlanner™

Planning and scheduling for networks (pipelines, marine, rail, road).



TerminalManager™

Operations workflow and processes for managing the loading of trucks, tank cars and barges and the commercial transactions.



DeltaV™ Logbooks

A shift hand-over solution for managing the human component within the terminals, providing KPIs on daily operations plan, and workforce performance.



TankMaster

Inventory management solution that aggregates field measurements for inventory calculations, tank alarming, and contents tracking.

Terminal Automation Solutions



DL8000 Preset Controller

Operator batch controller for the loading of trucks, tank cars and barges.



DeltaV™

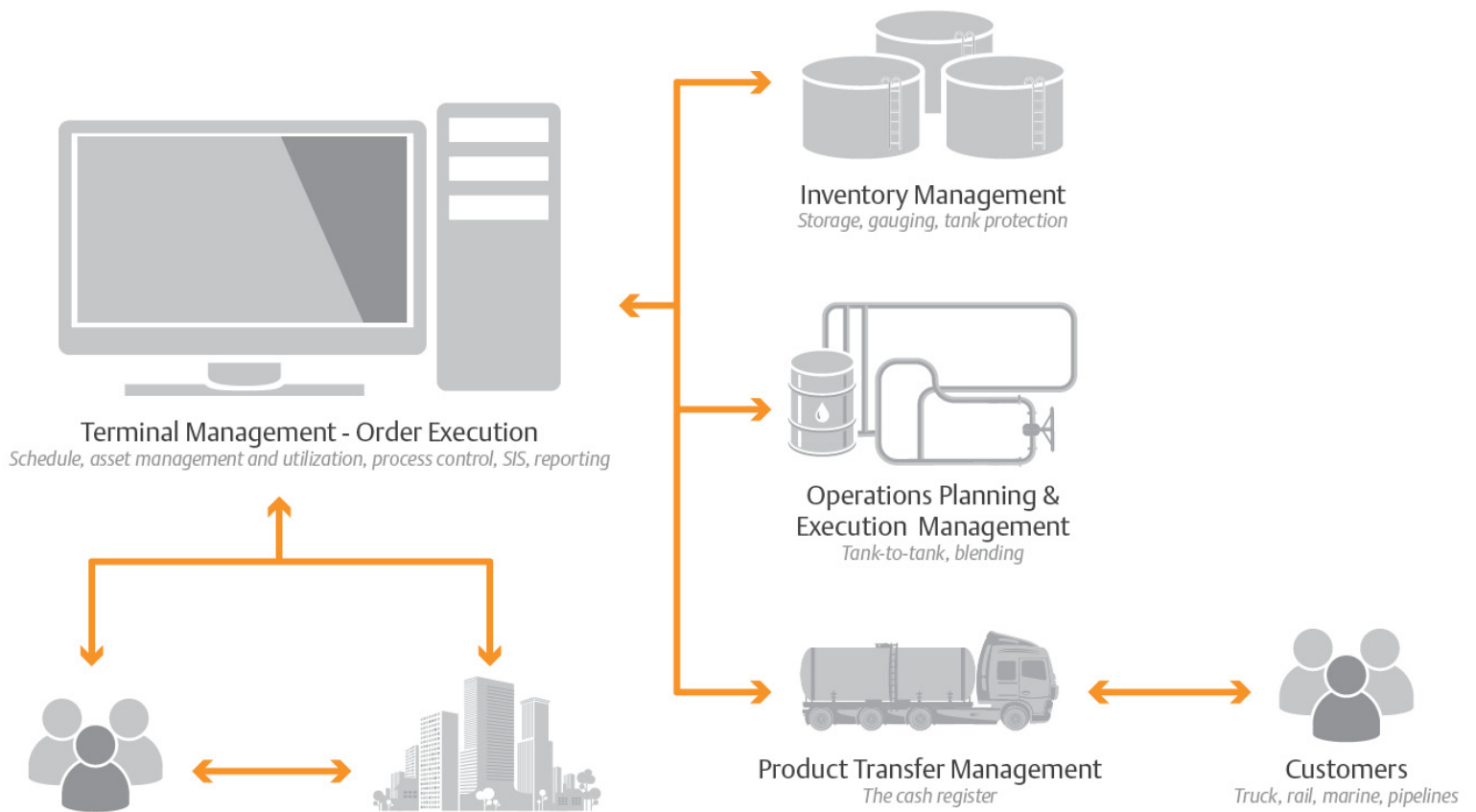
Supervisory monitoring, process control, and historical reporting for all aspects of terminal automation from managing movements to reporting of operations and system activities.



AMS Suite™

Asset management solution for the optimization of asset maintenance, diagnostics, and KPI performance and health of instrumentation and equipment.

Increase the efficiency of each aspect of your operation.



Contract Administration

Management and approval of customer contracts including terms, segments, charges, and documents.

Order Management

Comprehensive application to manage inventory movements, including nomination and re-consignments requests, the associated product transfer, and the approval workflow cycle.

Commercial Management

Enhance revenue with tighter order-to-cash cycles and greater visibility into inventory and schedules.



Emerson's ISA S95 open architecture supports field to the enterprise integrated solutions for commercial and operational activities. Emerson provides a "one-stop shop" for stockholders to interact with business partners for contract management and execution.

Gate & Access Management

Management of physical access security such as trucks, drivers, entry and exit gates, and gantry access.

Inventory Management & Measurement

Management of all book inventory and physical positions – including opening book inventory, receipts, deliveries, transfers, adjustments, over/shorts, and closing (total) volumes. Integration with tank gauging system for real-time inventory measurements.

Movement Management

Management of all aspects of truck, rail car and barge and tank to tank product transfers – including customer, orders, gantries, products, recipes, drivers, trucks, and scales.

Planning Tools

Planning tool for optimizing movements and asset utilization, resolving conflicts, and providing field operator work tasks.

History & Reporting

Reporting portal for standard and historical reporting including customer specific reports for inventory and transactional history.

Billing & Invoicing

Management and billing of charges for transportation, storage, and other services that logistics providers encounter. Includes charges for additives, handling of product, transfers, heating and blending, and 150 specific logistics charges.

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Emerson's Terminal Solutions

Level 3

Enterprise and Operations Management

- Commercial Management (Nominations, Scheduling)
- Network and Asset Optimization
- Analytics, Visualization and Reporting
- Truck, Rail, Ship Loading and Unloading
- Operator Training and Performance Management
- Operator Shift Change and Performance Management

Level 2

Automation and Control Systems

- Distributed Control System
- SCADA and Fiscal Measurement
- Main Line Valve and ESD Valve Automation
- Tank and Inventory Management
- Asset Health and Performance Monitoring

Level 1

Intelligent Field Devices and Instrumentation

- Custody Transfer Metering Skid Systems
- Pressure, Temp, Level, Analytical, Wireless
- Corrosion, Erosion Monitoring
- Leak Detection

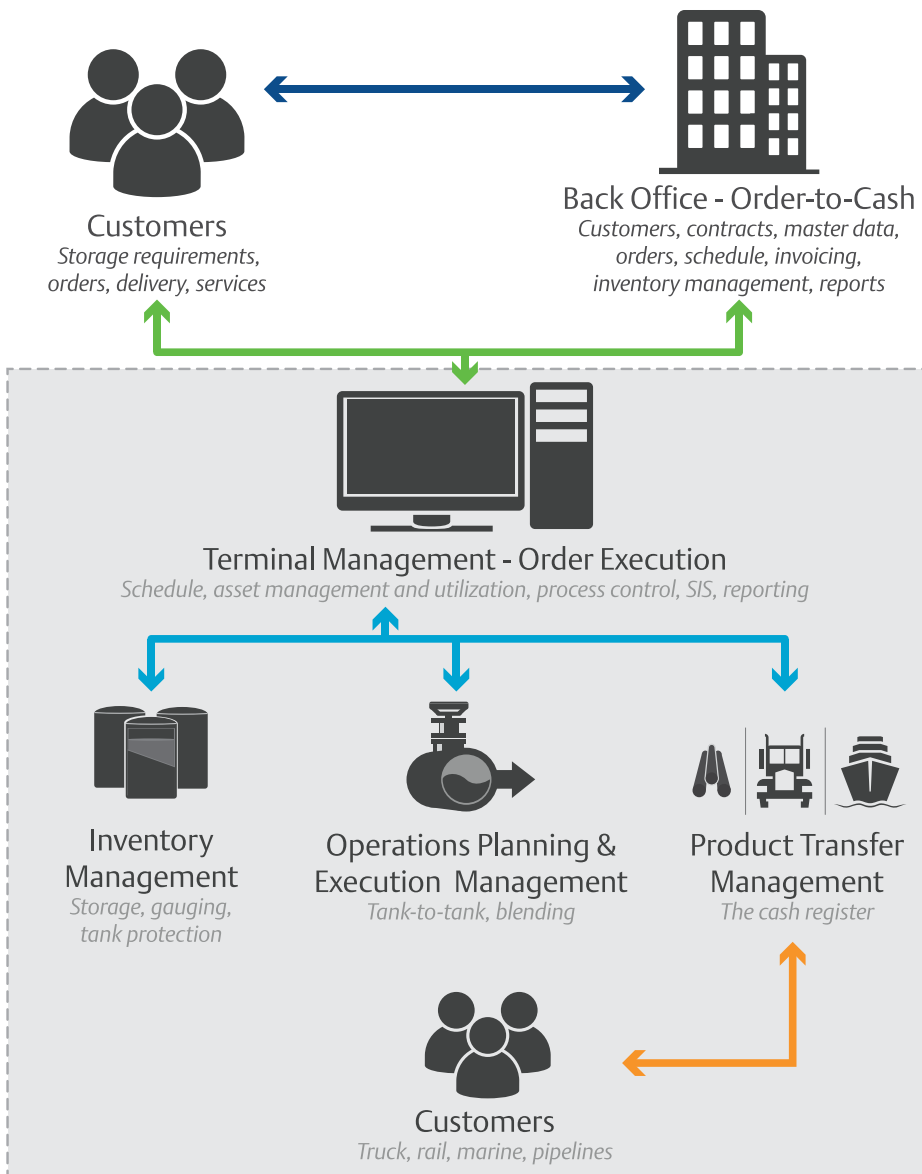
Services

- Project Engineering, MAC, MIV
- Lifecycle Support
- Training and Education
- Consulting Services



Emerson offers integrated solutions spanning from intelligent field devices and instrumentation, to automation and control systems, operations management, enterprise management, and services to deliver, support, and maintain the system solutions.

Emerson Terminal Solutions Landscape



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