



Solvo.TOS & Digital Transformation : **Enhancing port & railway operations through innovative technology solutions**

Giovanni Migliaccio,
Vice President Sales & Marketing



About Solvo

30+

years
experience



24/7/365 support



5 offices worldwide



400+ projects



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Solutions for ports and terminals

A leading Terminal Operating System for ports and terminals. An ultimate set of solutions for managing just any type of cargo: container, break bulk, Ro-Ro, general cargo, etc., including extra solutions as the VBS, AGMS, VGM.



Solutions for managing yard

YMS helps to manage all the operations at the yards, including allocation and storage of different types of cargo, housekeeping, reefer and empty containers management, CFS management etc. Providing procurement of gate-entry/cargo pick-up permits for truck-drivers, trucks and cargo forwarders/transport companies.

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Solutions for warehouse logistics

One of the leading software providers of SCE software. Solutions range from WMS to WCS, Yard, Billing, KPI and more for all verticals: production, retail and distribution, 3PL and pharmaceuticals.



Consultancy in logistics and system integration

Logistics and Management consultants, including specializations for Project Management, Optimization, Engineering, Design and Procurement.

As well as training, seminars, webinars and other educational events.

One platform. Connecting every stakeholder. Orchestrating every move

Port

- Vessel Planning & Scheduling
- Berth & Yard Operations
- Container & Cargo Management
- Equipment & Labor Management
- Yard Optimization

Rail

- Train Planning & Scheduling
- Rail Yard Operations
- Wagon & Asset Management
- Intermodal Connections
- Network Optimization

Solvo.TOS

Terminal Operating System

Trucks

- Gate Appointments
- In-Gate / Out-Gate Operations
- Truck Tracking
- Weighbridge Integration
- Turn Time Optimization

Shipping lines

- Booking & Schedule Integration
- VGM & Documentation
- Vessel & Voyage Information
- Container Tracking
- Performance Analytics

Customs

Port community system (PCS)

ERP

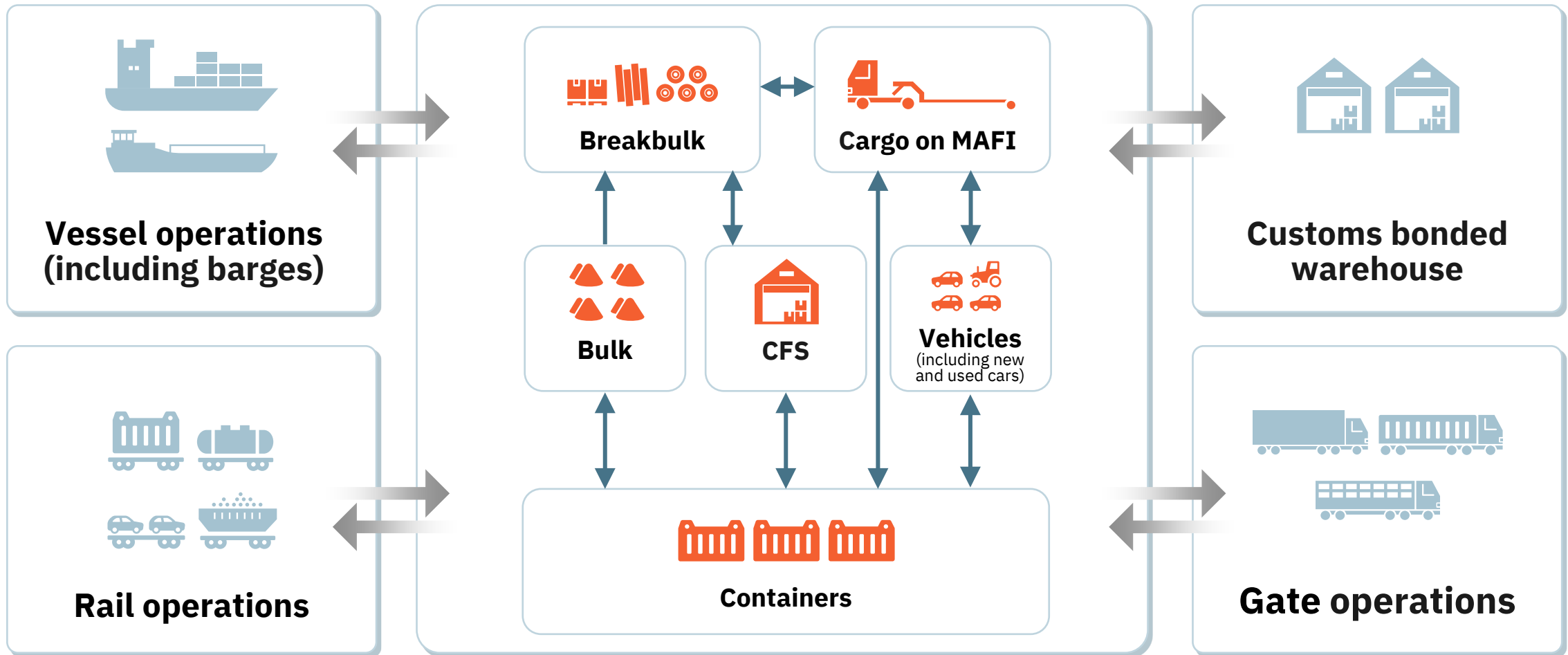
Billing

One platform. Connecting every stakeholder. Orchestrating every move



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Supporting Complex Technological Chains Through Integrated Road, Rail and Sea Logistics



Modern Ports Shifting to Extended Supply Chains Through Improved Rail Logistics

INTERNATIONAL TRADE SUMMARY

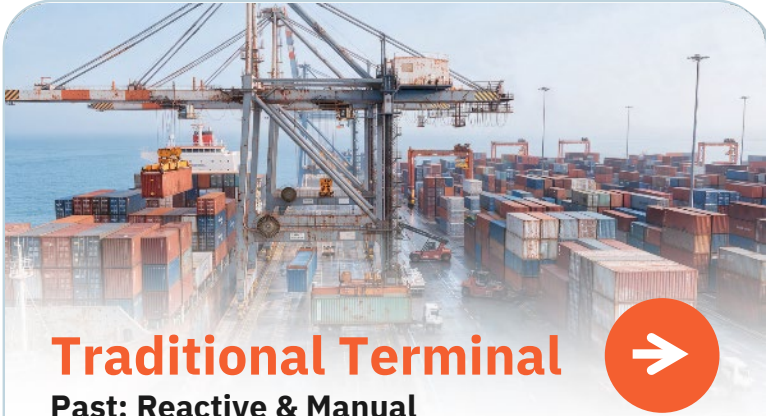


- Moving to Global Supply Chain
- Strengthening Inland Connectivity Through Integrated Rail Corridors
- Global Information Environment Connecting All the Elements of the Supply Chain
- End to End visibility — to final customer

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Modern TOS as a full Supply Chain solution and an integration platform

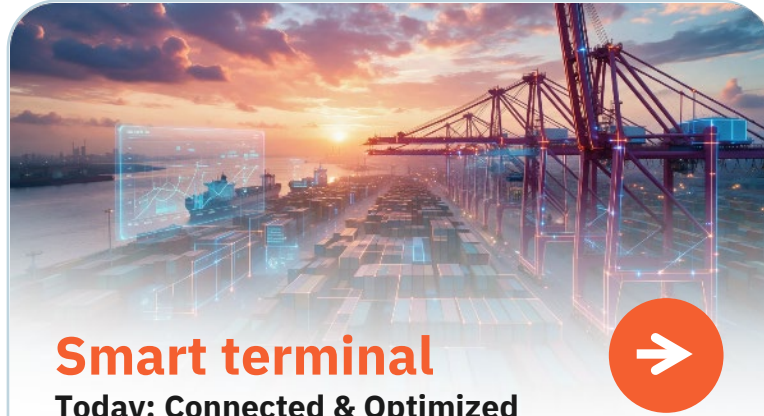
The Evolution of Terminal Operations



Traditional Terminal

Past: Reactive & Manual

- Paper based processes and manual planning
- Standalone systems with limited visibility
- Reactive decision making
- Siloed operations
- Low asset utilization
- Higher costs and longer dwell times



Smart terminal

Today: Connected & Optimized

- Digital workflows and automation
- Real-time visibility across operations
- Integrated systems (TOS, PCS, Gate, Yard, Rail)
- Optimized planning and resource allocation
- Improved collaboration with stakeholders
- Better performance and controllability



Intelligent terminal

Tomorrow: AI-Driven & Autonomous

- AI-powered predictive and prescriptive decisions
- Autonomous equipment and smart orchestration
- End-to-end supply chain visibility & collaboration
- Self-optimizing operations in real time
- Digital twin & scenario simulation
- Sustainable, resilient and future-ready

Intelligent terminals
Connected supply chains
Limitless possibilities



Port



Rail terminal



Inland depot



Logistics hub



Distribution center



Customer

How Solvo.TOS Supports Operational Automation



Automated Yard Planning

Solvo.TOS automates yard planning to optimize any cargo placement and improve operational efficiency.



Optimized Cargo Handling

The system streamlines cargo handling processes, reducing lead times and enhancing accuracy.



Real-Time Cargo Visibility

Solvo.TOS provides real-time tracking of cargo movements for proactive exception management.

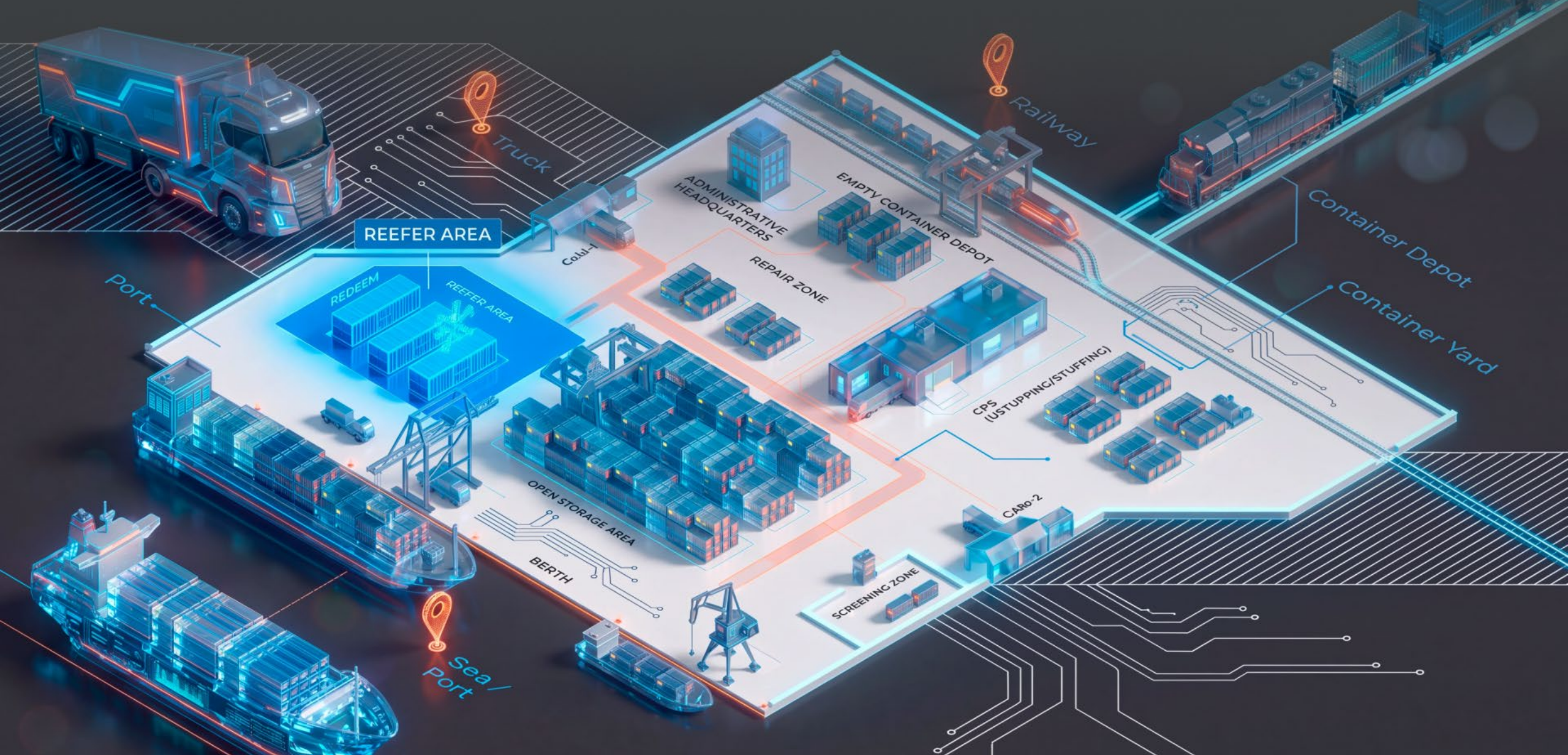


Configurable Workflows and Alerts

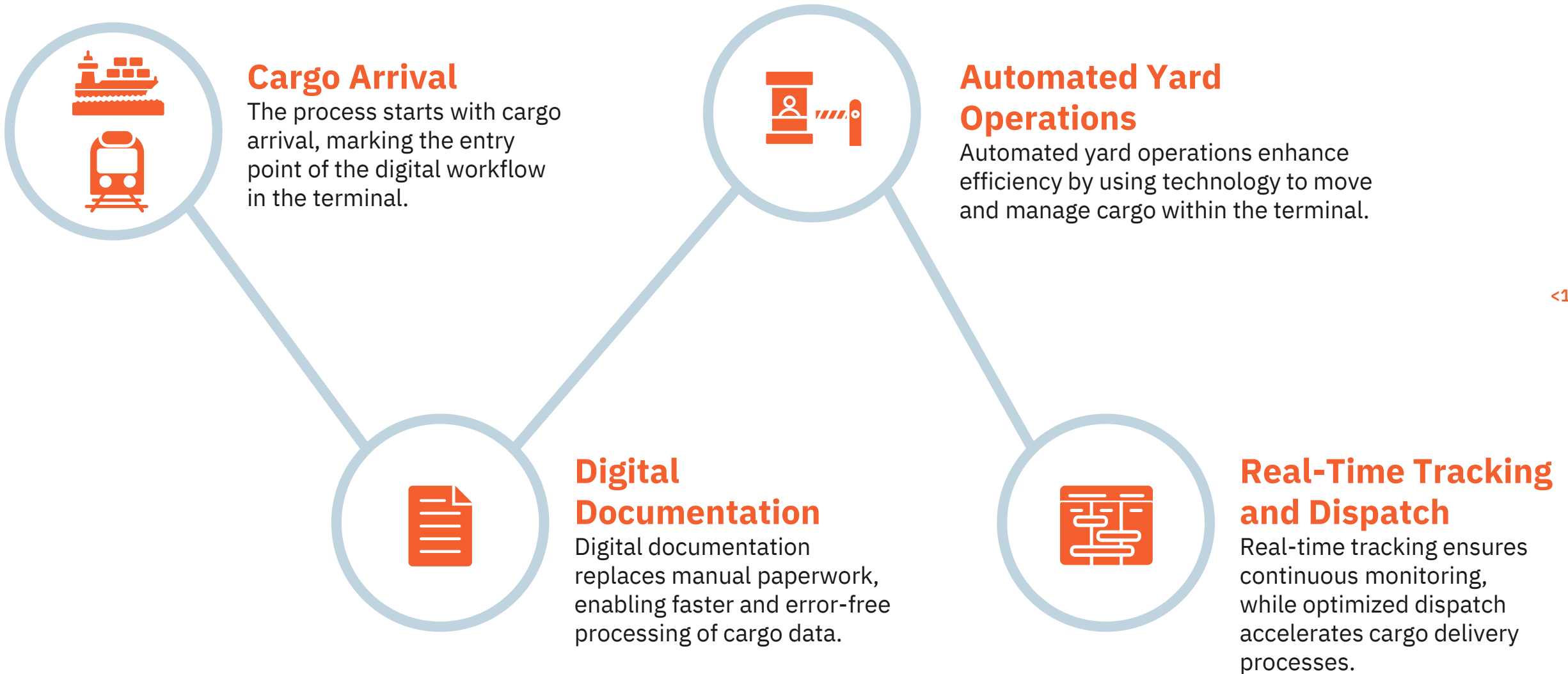
Configurable workflows and automated alerts help maintain consistent service levels and improve reliability.

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Port business processes managed by Solvo.TOS



Digital Process Flowchart



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Business Outcomes: Confirmed efficiency figures

Based on the official stats gathered upon projects completion



Real-time visibility

End-to-end tracking of cargo and assets



Operational excellence

Optimized processes, lower cost, higher productivity



Data-driven insights

Smarter decisions through advanced analytics



Sustainability

Greener operations for a better future



Collaborative ecosystem

Connected stakeholders one digital platform



Resilience & security

Secure, trusted and resilient supply chains

40%

Reduction in Rehandling and Reshuffling

45%

Increase in Staff Performance

<12>

90%

Decrease in Fines and Returns

30%

Faster Truck Turnaround Times



The solution is here!

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