

# Solvo.TOS

## General Cargo

Solvo.TOS General Cargo enables stevedoring companies to effectively manage operations related to handling of **general cargo or break-bulk** in real-time. The core functionality is automated or semi-automated planning, work-order distribution and load identification, real-time process monitoring using interactive graphic tools, event registration and reporting.

With powerful resource planning capabilities the solution helps planners to make sure the productivity of each process is at maximum and both human resources and machinery are distributed between the work fronts in the optimal manner. Thanks to the integrated billing module the system can automatically calculate accurate rates for the services rendered and invoice cargo owners accordingly. Built-in KPI module will make sure that the management is always up-to-date with the relevant performance metrics.

### TOS General cargo functionality highlights

- Real-time planning and management of cargo handling operations and storage for various types of break bulk, motor vehicles, bulk, steel and timber, Ro-Ro and project cargo;
- Support of various types of rolling equipment: MAFIs, trailers, chassis and more;
- Manage bulk and break-bulk cargo by weight and volume;
- IMDG cargo management across all fronts;
- Vessel and berth planning;
- Real-time management of cargo status changes;
- Real-time cargo identification using RDTs with bar-code or RFID scanners;
- Full EDI support (SMDG compliant);
- Built-in yard and equipment optimization features: load putaway in the yard based on rules and strategies;
- Bird-eye interactive terminal layout viewer and editor;
- Gate management capabilities including self-service kiosks, truck-driver permits, e-signature support and more;
- WEB portal for shipping line agents and cargo-forwarders including pre-bookings for cargo pick-up and delivery using time-slots, etc.;
- Optical character recognition (OCR) support for streamlined rail-car and LPN identification;
- Semi-automated resource planning and labor management including day-shift planning and work order management;
- Advanced reporting and KPI dashboards;
- CFS (Container freight station capabilities including stuffing and unstuffing, weighing, etc.);
- Customs clearance management including communication with specialized customs software;
- Billing and invoicing capabilities;
- The electronic queue of ferry-bound vehicles with drivers;
- Automated BOLs download from external systems;
- Easy cargo search function: displays the current status and history of all cargo by owner, type, etc.

100%  
cargo traceability

### Non-functional highlights

- SOA-architecture;
- WEB-interface capabilities;
- Mobile Android interface for operators and tallymen;
- Support of different modes for wireless communication: Wi-Fi, GSM, narrow-band;
- Integration with PCS, PMIS, ERP, VBS, AGMS, BFEP, EAMS, etc.;
- Fail-safe recovery: dual server back-up and cluster configuration capabilities;
- Multi-site management availability.



# Solvo.TOS General Cargo overview

Yard management	Rail operations management
Gate and Truck management	Vessel and berth management
Resource planning	CFS
ERP integration	Equipment control
Customs systems intergation	Data capture terminals with barcode scanning



KPI
Web
Billing
EDI

## Solvo.TOS Efficiency

- Full transparency over the yard, warehouses, berths, rail front and gates;
- Full cargo traceability: tracking all cargo moves and status changes at the terminal;
- Full operations traceability: who did what, when, where and how much did it cost;
- Streamlined planning of resources and cargo handling operations;
- More effective usage of machinery;
- Reduced time for consolidating cargo batches from parts;
- Expedited operation cost accounting and billing;
- Theft prevention;
- Increased data accuracy (up to 99.9%);
- Optimized space utilization.

400+  
successful  
projects

## Contact us:

### Solvo Europe B.V.

The Hague, The Netherlands  
+31 (0) 702-051-709

### Solvo Italy

Rome, Italy  
+39 346 520 72 32

sales@solvo-europe.com  
www.solvo-europe.com

### Solvo's Headquarters

Saint Petersburg, Russia  
+7 (812) 606-05-55

Moscow, Russia  
+7 (495) 668-30-03

sales@solvosys.com  
www.solvosys.com