

Digital Integration Between Ports in the Caspian Sea

A success story in ports of Aktau and Baku

Maxim Maximov, Commercial Director, SOLVO

25
years
of success

The Terminal Operating System
Solvo.TOS allows **to reduce**
operational **costs** of cargo terminal
from 5 to 35%
and **to increase** customer service level
of the terminal

How do we help?



Optimize rail load and discharge processes

Automate & improve truck turn times

Planning & Execution: plan and execute all moves across terminal/ Increases throughput and lowers cost

Optimize warehouse operations and develop port-centric logistics

Optimize mafi trailer stuffing and unstuffing

Streamline Ro-Ro operations

Optimize container yard moves, save cost and take care of housekeeping

Optimize barge and general cargo vessel stowage planning

Optimize container vessel stowage planning



Marine Container Terminal Management

SOLVO.TOS is a comprehensive container terminal operating system that optimizes key processes including receiving, storage, container processing, and shipping, as well as document flow at the container terminal, in real-time.



Inland Container Terminal Management

Solvo.TOS configuration designed specifically for "dry ports" or inland rail, truck and intermodal terminals increases efficiency of rail and truck planning, yard optimization and all cargo handling operations and equipment usage, empty container depot management.



Break-Bulk, Ro-Ro and Bulk Management

Solvo.TOS Cargo enables stevedoring companies to effectively manage operations related to the transshipment of general, ro-ro, bulk and containerized cargo, and process transport vehicles.



SOLVO is:

25+

Years market presence

200+

Employees

350+ PROJECTS

in ports & warehouses

14

countries



MEDITERRANEAN SHIPPING COMPANY



Terminal Investment Limited SA



موانئ دبي العالمية
DP WORLD



Russian Railways



PEPSICO



GRUPO
INDUKERN

350+
projects



NORNICKEL



Comprehensive terminal operating system for all types of cargo



All Cargo types are supported by Solvo.TOS



Only SOLVO solution is able to handle wide range of cargo types:

- ✓ Containers
- ✓ Break-Bulk
- ✓ Project cargo
- ✓ Bulk, liquid cargo
- ✓ Ro-Ro
- ✓ Warehouse inventory
- ✓ Live Stock

For all the different cargo is defined what can be done with them, by whom and when, creating dedicated business rules

New vehicles



Trucks and trailers



Heavy lift



Bulk



Roll-trailers



Vehicles with drivers



Live-stock load management



Solvo.TOS

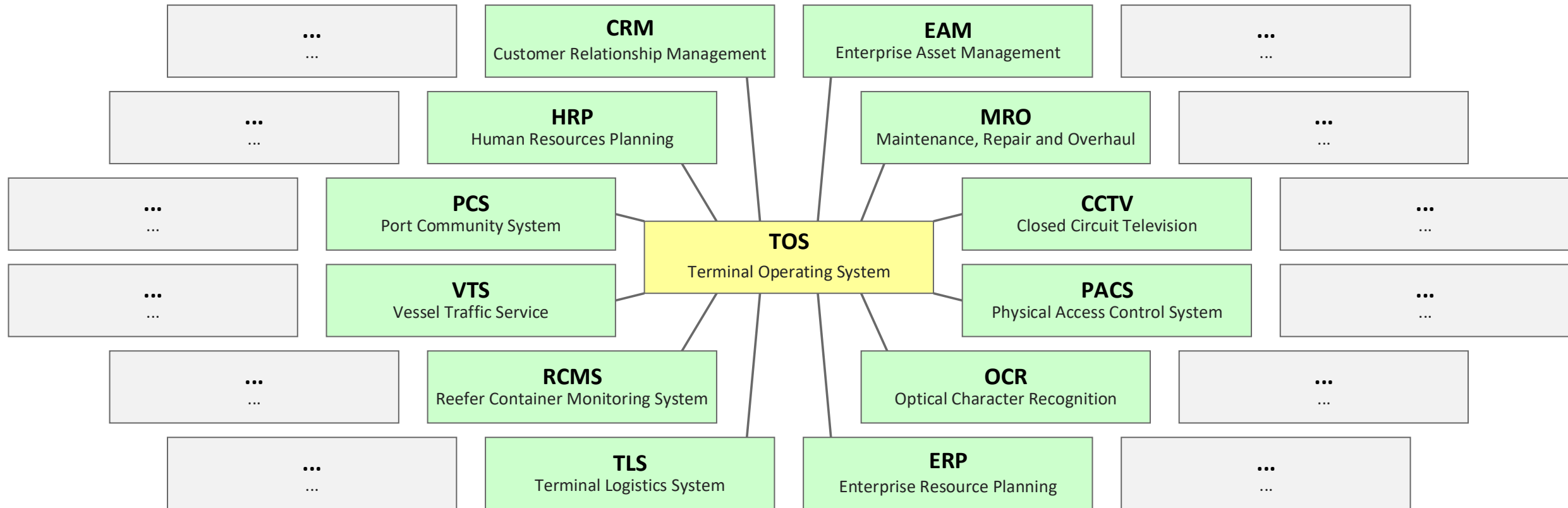
Customizable Terminal Operating System for mixed cargo terminals and ports

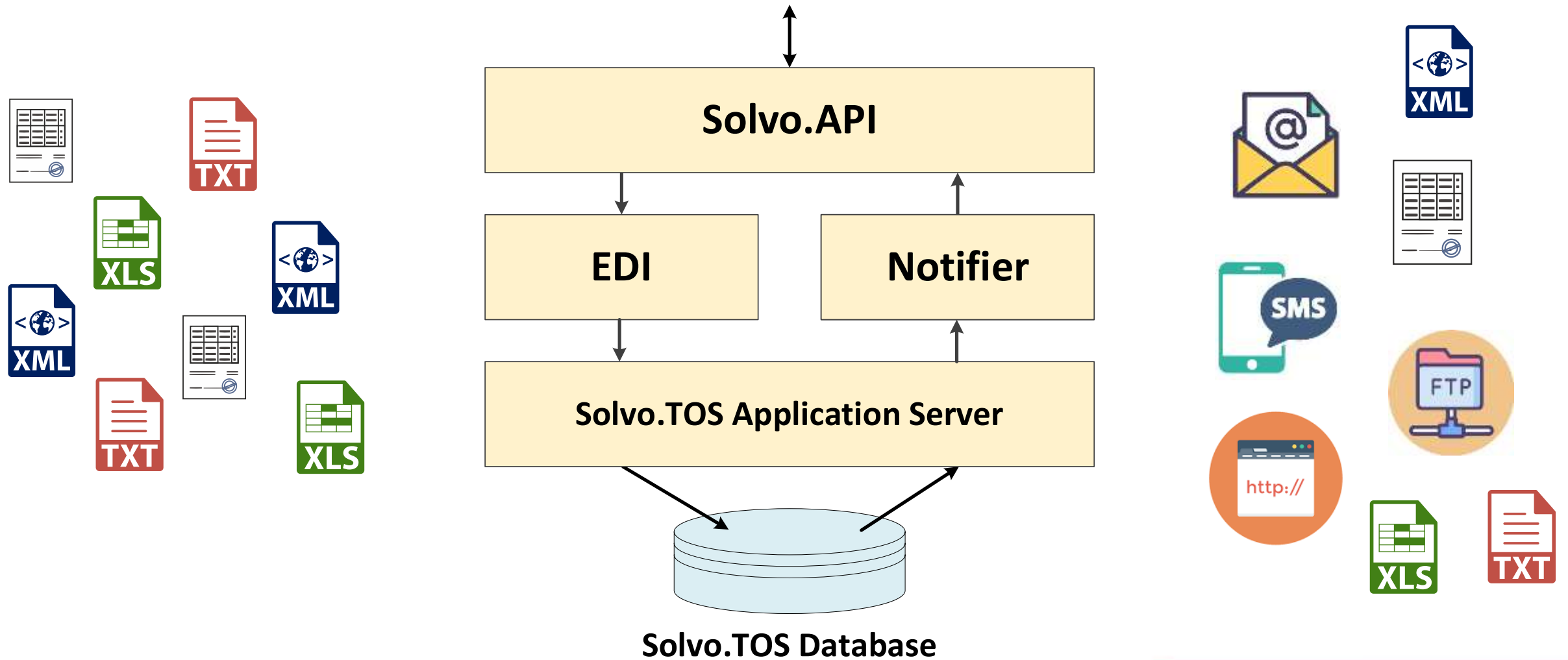
A state-of-the-art system tailored to the specific needs of the customer.

Even the most basic out-of-the-box configuration enables effective and streamlined planning, equipment control and terminal workflow management in one database.



Integration with 3rd party systems

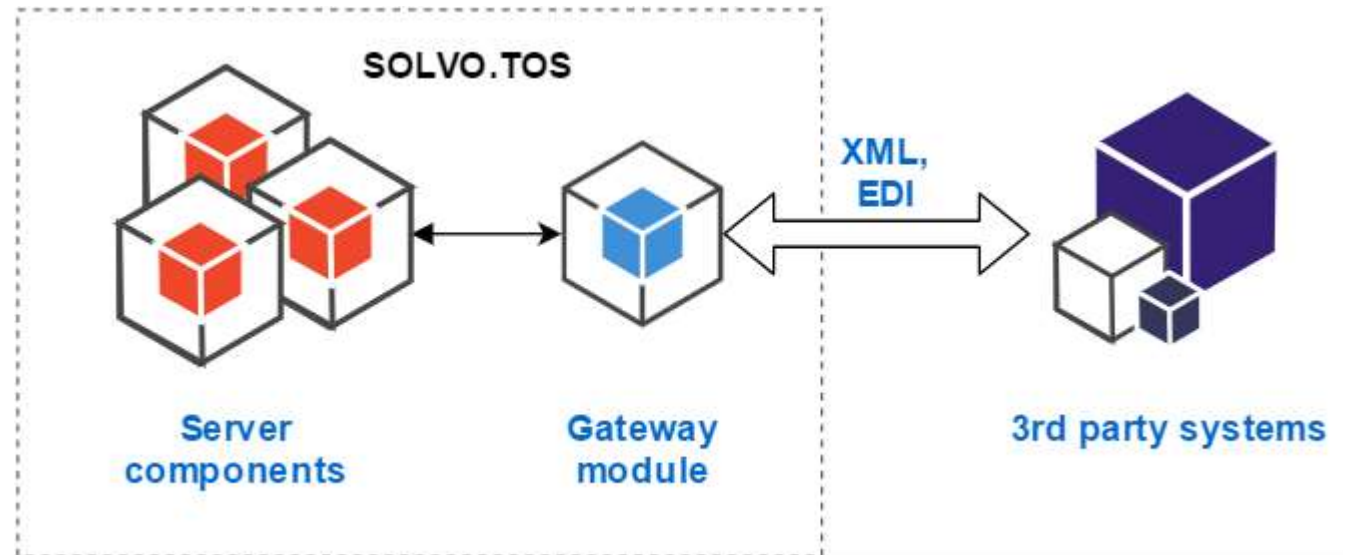




Integration with 3rd party systems

Communicate via:

- Web Services (XML, SOAP, WSDL);
- Java Message Service;
- RESTful Web Services;
- Raw/SSL TCP sockets;
- DB exchange tables (ETL);
- File sharing and exchange;
- E-mail automatic processing.



Various exchange formats:

** XML * EDI * XLS * TEXT **



Solvo.TOS



**Port Community System
(PCS)**



VAN=Vessel
CRW=Crew
PAX=Passengers
CNT=Containers
CARGO=General Cargo
RORO=RoRo Cargo





TOS



WMS



Yard

Solvo.SCE

an integrated supply chain
execution platform



KPI



Billing

www.solvosys.com



Web

www.solvosys.com