Terminal Operating System (TOS) for Container and Roro Terminals
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WHO ARE WE?

For more than 30 years, we have been offering intelligent, communicative and efficient software solutions for port terminals and shipping agents throughout the World.

We support our clients at every stage from the customization to the deployment and the update of our products.

We are working with agility to continuously improve our applications and to anticipate the new maritime industry paradigms.

Marc Boyer Chammard
CEO
OSCAR, TERMINAL OPERATING SYSTEM (TOS) FOR CONTAINER AND RORO TERMINALS

A comprehensive and responsive operational software
- Planning, execution and real-time control of the overall land and sea operations
- One software instance can handle one or many Terminals, Yards, or Stevedores

An optimization tool
- Adjust Yard management to your specific traffics
- Simulate Crane activities and choose best scenario
- Organise and track Handling Equipment missions
- Decrease Gate waiting time

Satisfied customers
- More than 25 Container and Roro Terminals worldwide
WHY CHOOSE OSCAR?

1. Enhance the quality of service delivered to your clients
   - Reduce waiting time
   - Deliver accurate and timely data to all customers

2. Improve your terminal productivity
   - Manage all your operations in real time
   - Control and optimize traffic

3. Increase your terminal profitability
   - Strengthen collective effectiveness
   - Streamline equipment utilization
1/ IMPROVE SERVICES QUALITY PROVIDED TO YOURS CLIENTS

From various criteria (number of hands, type of equipment(s), rate of equipment in single or twin, range of equipment in row number, bays, etc.), our solution allows you a simulation and management of multiple scenarios to produce automatically the most optimal Crane Split.

Delivered with an integrated module, OSCAR allows exchanges with all your partners (shipowners, port networks, customs, etc.) per standard formats (EDIFACT, ANSI X12, csv, etc.) or on your specifications. All the incoming data are easily integrated in OSCAR and others directly transmitted inside and outside the terminal.

REDUCE OPERATIONS DURATION

OPTIMIZE DATA EXCHANGE
2/ IMPROVE YOUR TERMINAL’S PRODUCTIVITY

**OPT FOR REAL-TIME MISSIONS ASSIGNMENT**
- Streamline Container Handling Equipment’s (CHE) activities as Oscar calculates missions based on the latest information available at time of assignment.
- Access to a multi-criteria dashboard in order to monitor operations effectively.
- Easily step in the role of missions.

**OPTIMIZE CONTAINER POSITIONING ON YARD**
- Optimize containers allocations on yard using rules adapted to your business (nature and characteristics of containers, gear types, vessels, calls, etc.).
- Manage yard, containers and container handling equipment’s on a map at scale and in real-time.
As a result of planning and forecasting, our solution allows you to optimize CHE assignment’s for all your land and sea operations. It is possible to make specific assignments by connecting them to a call, an equipment, a sense, etc.

Our solution connects all resources on the terminal to the same information, allowing real-time information sharing, comprehensive dashboards for decision making and pro-active collaboration from all.
AN INTUITIVE COMPREHENSIVE, AND ADJUSTABLE SOLUTION,

Our solution is specifically tailored to your operating processes. The modular design gives greater flexibility to meet your requirements and to adapt to your business progress.
OPTIMIZE PREPARATION, EXECUTION AND REAL-TIME TRACKING OF YOUR LOADING AND DISCHARGING OPERATIONS

Our solution allows an effective and integrated management of your maritime operations.

Thanks to OSCAR, choose the best Crane Split proposal and vessel position, reduce unnecessary movements, reduce operations duration.
COMPREHENSIVE DATA EXCHANGE CAPABILITIES

**Shipowners**
- EDI files transmission
- VGM data
- BAPLIE Import
- COPARN
- COPRAR
- COREOR
- BASI
- AMQ
- BASE
- BAE
- BAS
- VGM data

**Community System**
- EDI functions
  - Real-time dashboard
  - Versioning
  - Reissuance
  - Archiving
- VERMAS
- BAPLIE Export
- CODECO
- COARRI
- VAQ
- CEN
- CRE
- VAB
- Various specific

**Customs**
- BASI/BASE: Good to go out
- BAS: Good to leave Customs
- BAE: Good to embark customs

**Weighing**
- Weighbridge of container weight
- Invoicing
- VAQ
- CEN
- CRE
- VAB
- Various specific

**Other third parties**
- Harbour masters, offices, customers, etc.

**VERMAS**: VGM data
**COPARN**: TC Export forecast, incl. VGM
**BAPLIE Import**: unloading TC listing incl. VGM
**COPRAR**: Loading/unloading listing, incl. VGM
**COREOR**: Delivery order
**BASI/BASE**: Good to go out
**BAE**: Good to leave Customs
**BASE**: Good to embark customs

**OSCAR'S RECEPTION**

**VERMAS**: VGM data
**COPARN**: TC Export forecast, incl. VGM
**BAPLIE Import**: unloading TC listing incl. VGM
**COPRAR**: Loading/unloading listing, incl. VGM
**COREOR**: Delivery order
**BASI/BASE**: Good to go out
**BAE**: Good to leave Customs
**BASE**: Good to embark customs

**OSCAR'S TRANSMISSION**

**VERMAS**: VGM data
**BAPLIE Export**: TC list loaded
**CODECO**: Movement Input/Output Gate
**COARRI**: Ship in / Out Movement
**VAQ**: Seen at dock
**CEN**: Statement of removal
**CRE**: Statement of reception
**VAB**: Seen on board
EASILY ANALYZE PRODUCTIVITY OF STOPOVER AND EQUIPMENT THROUGH THE TIMESHEET

All events are integrated in real-time
(loading/discharging, call/wait, hatch covers, gearboxes)

Operations reports can be produced on these events, related to a call, a shift or a given period.
SHARE DATA WITH ALL STAKEHOLDERS OF YOUR TERMINAL

With OSCAR, all your data are integrated, reliable and accessible in real-time by all your teams.

Our solution allows you to choose between a narrow band or wifi radio network to respond to your needs and specific requirements.
CONTROL IN REAL-TIME MISSIONS AND EVENTS

All Data is shared in real time in one single database and reused across all modules.

Missions (Activities Assigned to Handling Equipment or Agents) are always defined according to the latest situation on your terminal.

Full history of events is available for complete control.
ACCESS TO A COMPLETE DASHBOARD OF CURRENT AND ON HOLD MISSIONS

Complete dashboard with potential changes in destination allotments and assignment of missions directly from the interface.

Access to an exhaustive container search form.
At scale mapping combined with real time GPS or DGPS Equipment tracking allow you to monitor yard activities very closely, including vehicles routes and statuses.
The online appointment module allows you to share a timetable with truckers for the receipt and delivery of containers, directly from the Internet. Thanks to our solution, streamline traffic on your terminal, reduce peak times and increase your productivity.

**Better manage traffic on your terminal, smooth the peak period and optimize gates flows**
OSCAR includes a management module for arrivals and departures by train and barge which allows you to prepare loading and unloading operations of containers.

The module takes into account specific constraints related to each mode of transportation (number of wagons, weight of containers, number of containers in a wagon, etc.)
ANALYZE YOUR OPERATIONS AND MAKE YOUR TOS A DECISION-MAKING TOOL THROUGH REPORTING FUNCTIONS

Two levels of reporting help you analyze your operations and support you in making quick decisions to reach the highest levels of productivity on your terminal.

Data extraction are allowed through two different processes depending on its complexity:

- Either by simple queries that super users can build themselves
- Or for more complex requests through specific SQL programming by TGI

Data can also be transferred into a BI Datamart
OUR SOLUTION’S ADVANTAGES

<table>
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<th>Real-time management</th>
<th>Fast implementation</th>
<th>Simple and versatile</th>
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</thead>
<tbody>
<tr>
<td>▶ Complete and fast configuration</td>
<td>▶ User-friendly and comprehensive</td>
<td>▶ Adaptable to terminals of any size or complexity and local specifications</td>
</tr>
<tr>
<td>▶ Integration, memorization and real-time coverage of informations</td>
<td>▶ Easily manageable by operational staff</td>
<td>▶ All kind of Equipment configuration: Reach Stackers, straddle carriers, RTG and trucks…</td>
</tr>
<tr>
<td>▶ Incorporated EDI module allowing rich data exchanges with all your partners</td>
<td>▶ Amongst the lowest cost of ownership on the market for this kind of solution</td>
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A QUICK IMPLEMENTATION
THROUGH A PROVEN AND PRAGMATIC METHODOLOGY,
IN 4 STEPS

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<th>2 / Design and Build</th>
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<tr>
<td>Needs and constraints identification</td>
<td>Detailed Gap Analysis – Binding proposal</td>
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<tr>
<td>High level gap analysis</td>
<td>Functional and technical specifications</td>
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<td>Identification of hardware / radio</td>
<td>Use cases / processes description</td>
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<td>First level of Binding quote proposal</td>
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<th>3 / Training and Configuration</th>
<th>3 / Go live and Run Operations</th>
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<tr>
<td>Process Catalog delivery</td>
<td>On site support during go live</td>
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<tr>
<td>Train the trainers approach : quick and easy adoption of our solution by your key users</td>
<td>Experts training and on site support after go live</td>
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<tr>
<td>Solution Configuration during Super Users training</td>
<td>Efficient Help desk and support when system is in operations</td>
</tr>
<tr>
<td>Users Training assistance by our experts as needed</td>
<td>Evolving solution allowing for customization as required</td>
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A R&D DEPARTMENT TO PROVIDE INNOVATIVE SOLUTIONS

TGI Research and Development team invent tomorrow’s solutions. We invest in the Internet of Things, mapping applications and smart algorithms.

In a near future, we want to bring you more added value. To optimize all your material and human resources.
At TGI Maritime Software, we are committed to providing easily customized solutions that meet your company’s needs. Our expert teams will support the execution and implementation of all aspects of your project from the outset.

We work in partnership with technology leaders to provide the most advanced, secure and reliable equipment (radio network, server application, hand-held terminals, etc.) Our solution works on IBM Power server, widely recognized for its robustness and low cost of ownership.

We know how important it is that your teams get the best from our software. Our customized training programs ensure fast adoption of our solutions by your users. We keep supporting your teams with first class support services day after day.

Our teams have developed an in-depth professional knowledge through years of experience in the maritime industry. Always concerned by quality and innovation, our teams are totally dedicated to maintenance and improvement of our software.
Thirty companies in the maritime industry worldwide chose us to improve their operational efficiency on their terminal.
Optimize your operational efficiency with OSCAR

Tell us about your project without delay

contact@tgims.com
+33 (0)3 28 65 81 91

Find us on:
www.tgims.com