

OSCAR

Terminal Operating System (TOS)
for Container and Roro
Terminals

TGI
MARITIME
SOFTWARE





| SUMMARY

- 03 WHO ARE WE?
- 04 OSCAR, TOS FOR CONTAINER TERMINALS AND RORO
- 20 OUR SOLUTION'S ADVANTAGES
- 21 A QUICK IMPLEMENTATION
- 22 A R&D DEPARTMENT TO PROVIDE INNOVATIVE SOLUTIONS
- 23 OUR SERVICES AS AN INTEGRATOR SOFTWARE
- 24 OUR CLIENTS ARE OUR BEST REFERENCES
- 25 TELL US ABOUT YOUR PROJECT

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 Chamnard
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

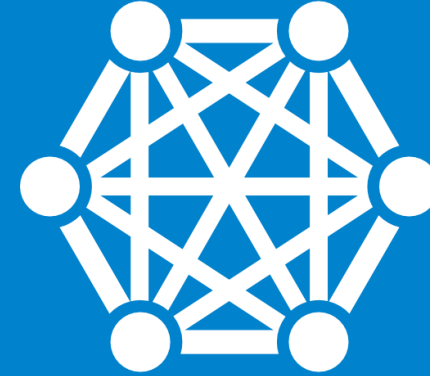


1/ IMPROVE SERVICES QUALITY PROVIDED TO YOURS CLIENTS



REDUCE OPERATIONS DURATION

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.



OPTIMIZE DATA EXCHANGE

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.



2/ IMPROVE YOUR TERMINAL'S PRODUCTIVITY



OPT FOR REAL-TIME MISSIONS ASSIGNMENT



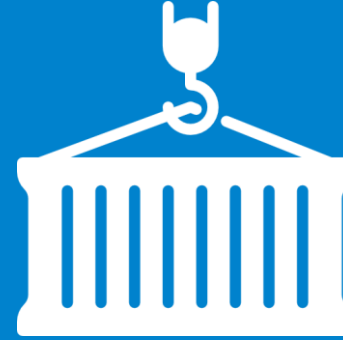
Streamline Container Handling Equipment's (CHE) activities as Oscar calculate missions based on the latest information available at time of assignment



Access to a multi-criteria dashboard in order to monitor operations effectively



Easily step in the roll of missions



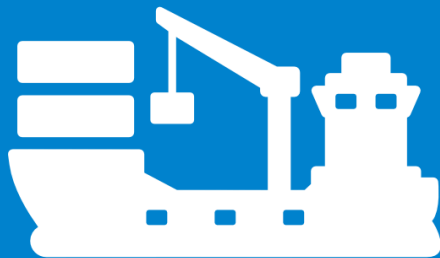
OPTIMIZE CONTAINER POSITIONING ON YARD



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



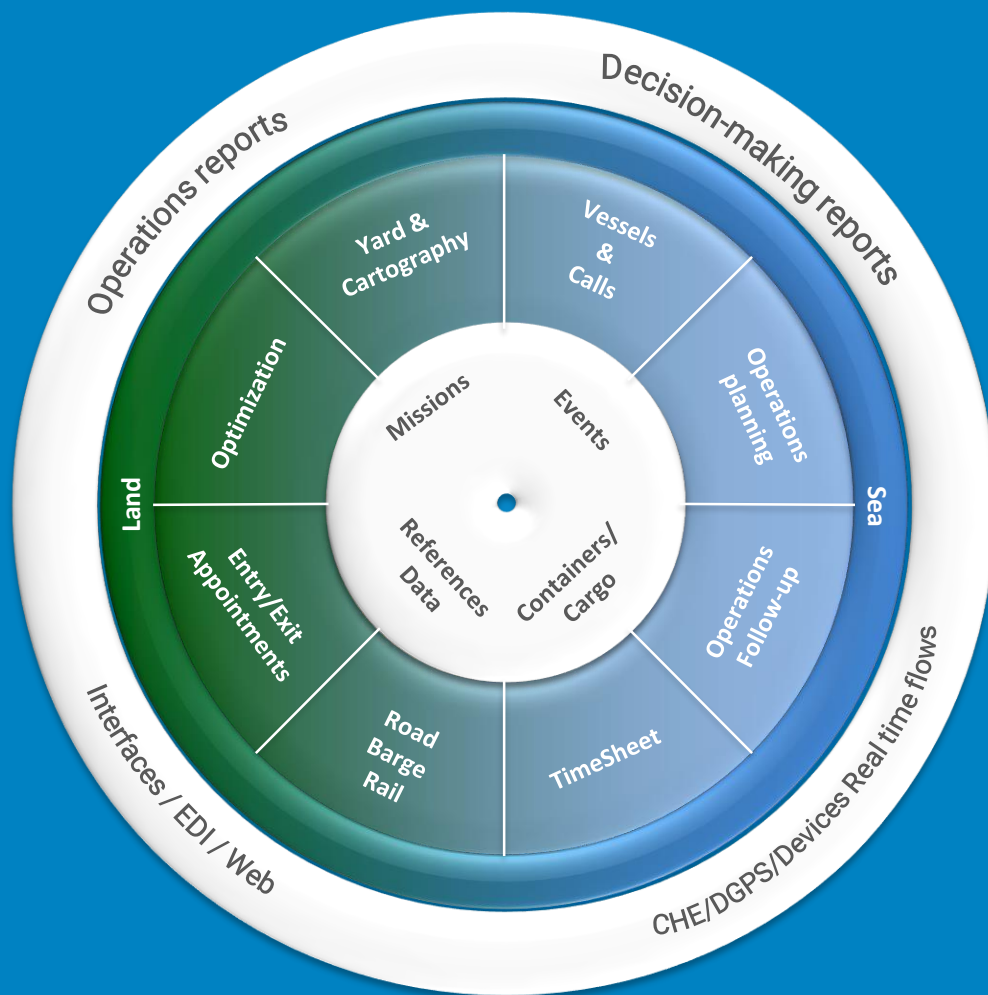
INCREASE YOUR EQUIPMENT UTILIZATION

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.



IMPROVE YOUR COLLECTIVE EFFECTIVENESS

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.



1/ IMPROVE SERVICES QUALITY
PROVIDED TO YOUR CLIENTS

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.*



Quay Crane

- Planning of quay of equipment
- Management of downtimes and conflicts



Letter/Bay plan

- 3 possibles views
- Loading / shifting / discharging instructions



Crane Split

- Registration and follow-up
of the optimal load



Vessel position

- Help to determine
the ship position on quay



Scenario

- Simulation and management of scenarios
to have the optimal one

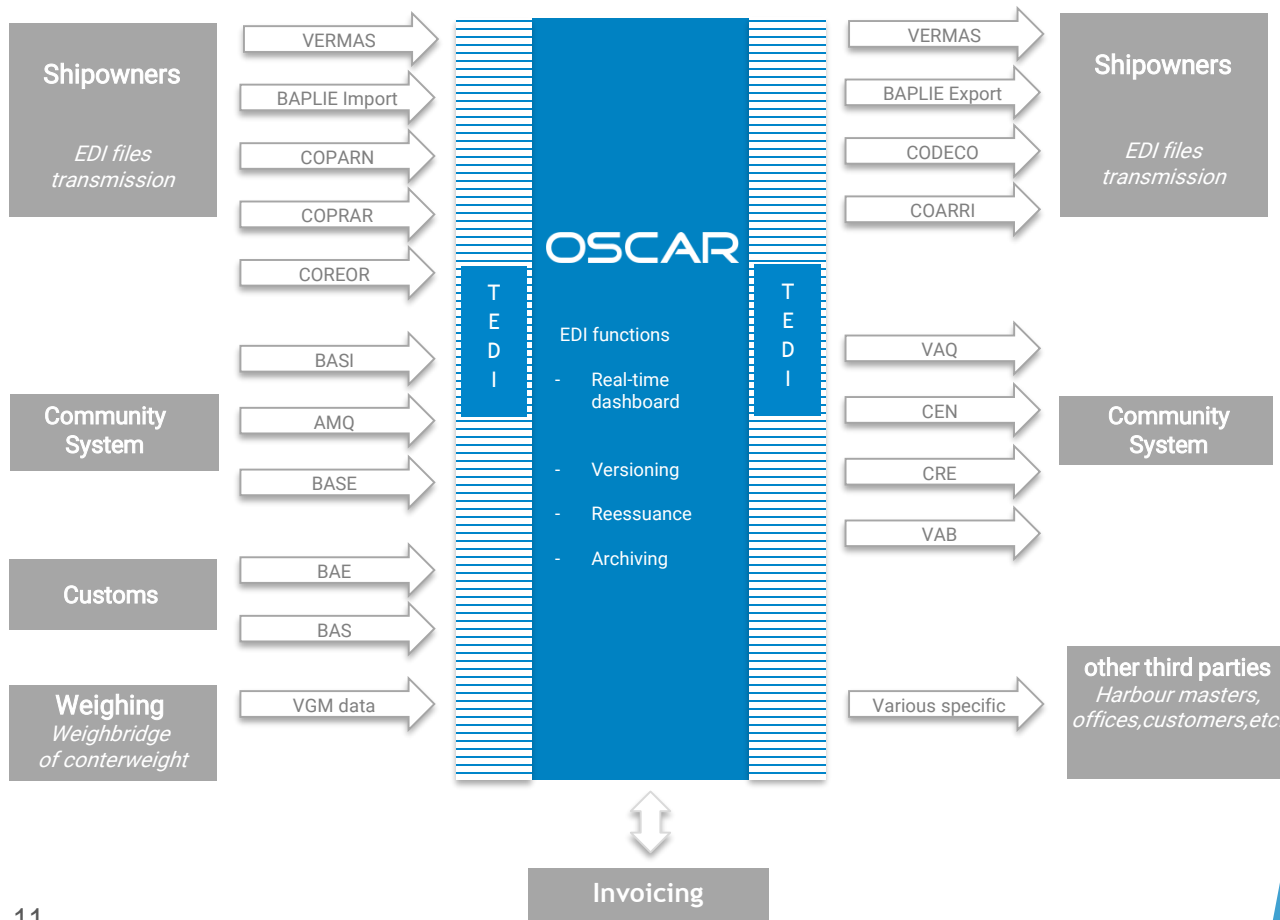


Load aid

- Automatic assignment proposal
(Auto-prestow)



COMPREHENSIVE DATA EXCHANGE CAPABILITIES



OSCAR'S RECEPTION

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



1/ IMPROVE SERVICES QUALITY
PROVIDED TO YOUR CLIENTS

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.*



*Operations start and end
times and dates*



*All moves updated
in real-time*



Timesheet



*Dates and times
of docking and sailing*

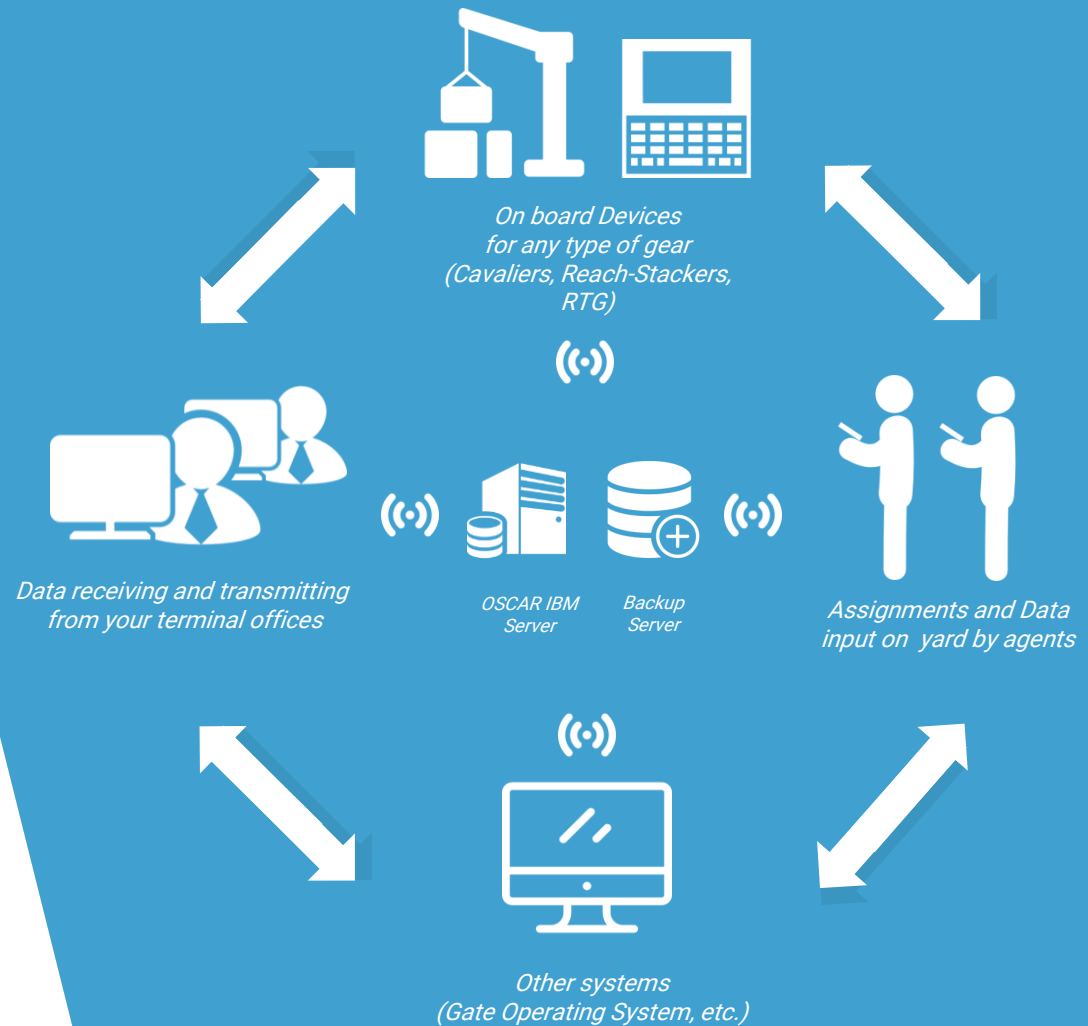


*Stop and waiting
times in real-time*

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

S	P	F	Mission	TC	Mvt	CISO	F	Dg	HG	Ter/Mar	Sens	Escal	Pool	Demande	Allotissement	Poste Demande	Acteur	Au
5			20160455755	MSCU7653235	DECH	45G1						MSCSABRI_607R	P4	29/02/2016 20h50	03 Q31 14 3	RT CS 01 G 1 G		RTG
5			20160455482	TCNU8790798	DEU	45G1						MSCSABRI_607R		02/03/2016 02h24	RT D2 41 C 4	AT AT1 04 5 G		RTG

Access to an exhaustive container search form

TC	Allotissement	Escal	Exploitant	F	Dg	Hc	Hors Gabarit	V/P (Pretrip)	CISO	EVP
APMU8067159	AN AN' 09 5	CHOPIN	SCL			✓		■	45G1	40
CAIU2397901	LS S1D 13 1	CHOPIN	SCI					■	22G1	20
ECMU1785298	LS S1D 13 2	CHOPIN	CMA					■	22G1	20
EMBA2701172	LS S1C 13 1	CHOPIN	CMA					■	42G1	40
HGFU1E10537	RT D3 E7 D3G 1	CHOPIN	CMA					■	22T0	20

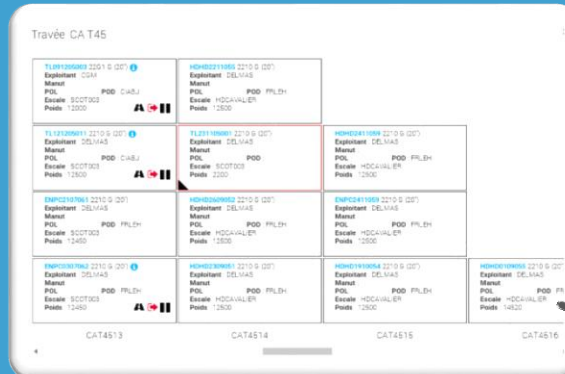


2/ IMPROVE YOUR TERMINAL'S PRODUCTIVITY

DASHBOARD ORIENTED, INTUITIVE AND AT SCALE YARD MANAGEMENT

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

Localisation of one or several containers in a few clicks on a movable and zoomable map



Access to details of container stacks, assignments and tasks assigned to vehicles

BETTER MANAGE TRAFFIC ON YOUR TERMINAL, SMOOTH THE PEAK PERIOD AND OPTIMIZE GATES FLOWS

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.

Transport informations completed in just a few clicks by carriers.



View the available slots



Approval or prohibition of the entry and exit of containers according to the information provided



Make an appointment

Possibility to consult, modify or delete scheduled appointments at any time



Follow appointments

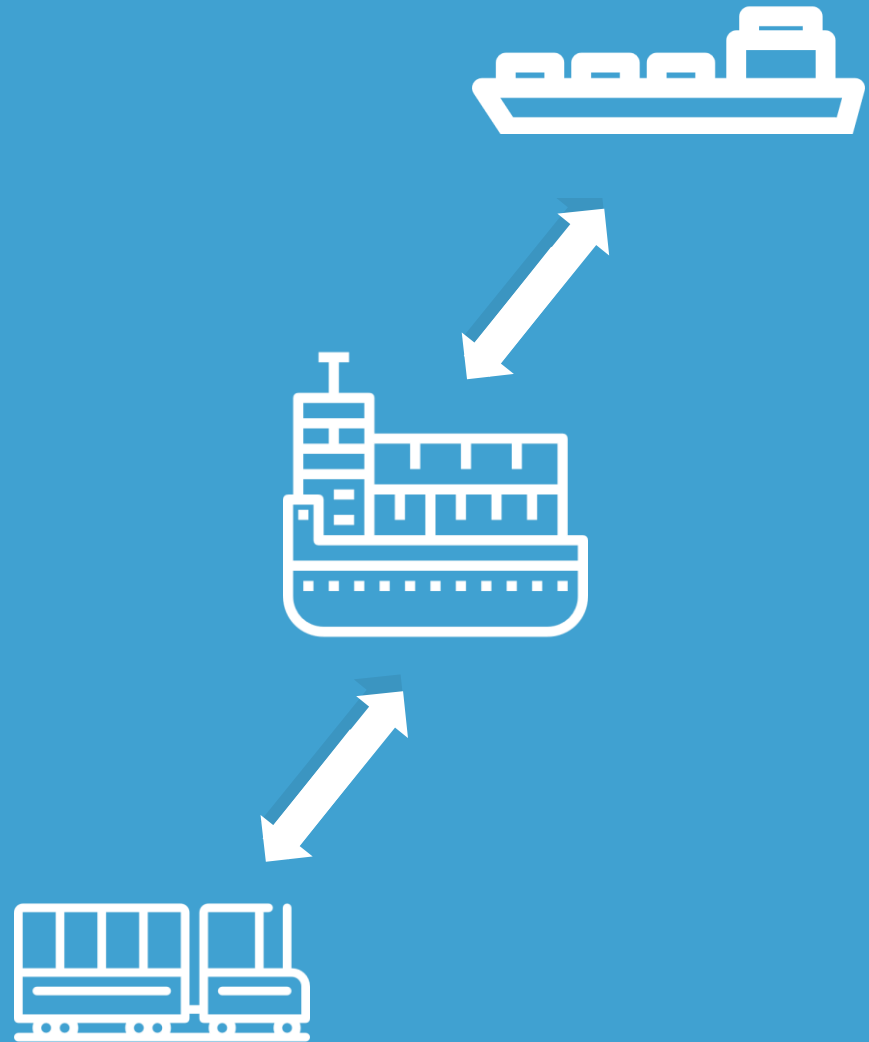


Access to a summary table of appointments and different informations about containers to anticipate your work

MANAGE PRE AND POST CARRIAGE BY TRAINS AND BARGES

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

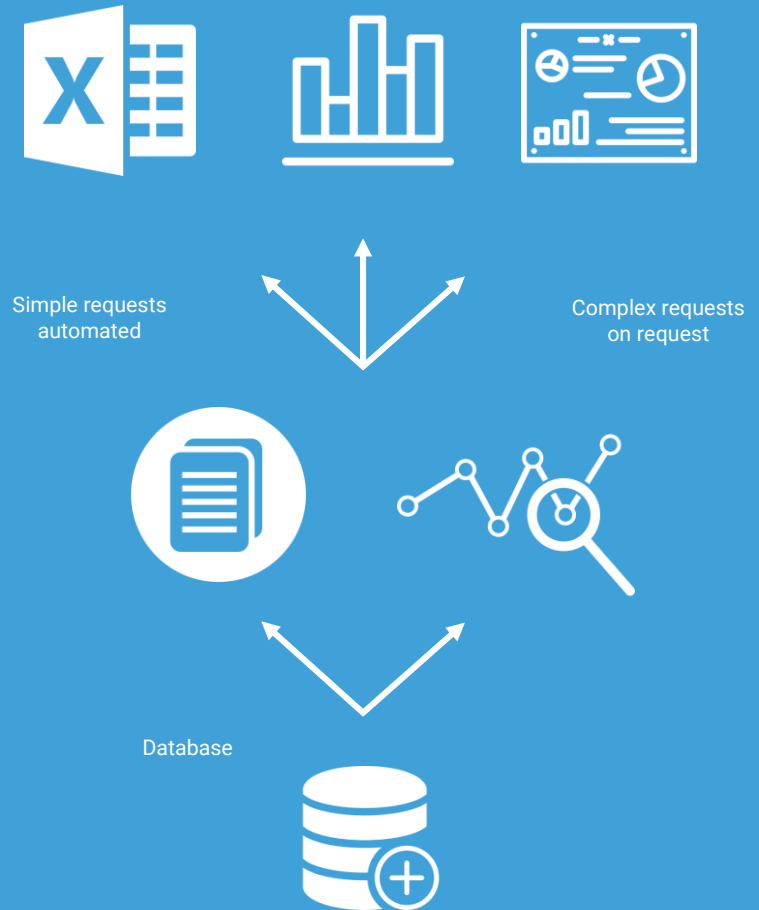
Two levels of reporting help you analyze your operations and support you in making quick decisions to reach the highest levels of productivity on your terminal.

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 transfered into a BI Datamart




Decision support reports



OUR SOLUTION'S ADVANTAGES






Real-time management

-  Complete and fast configuration
-  Integration, memorization and real-time coverage of informations
-  Incorporated EDI module allowing rich data exchanges with all your partners





Fast implementation

-  User-friendly and comprehensive
-  Easily manageable by operational staff
-  Amongst the lowest cost of ownership on the market for this kind of solution



Simple and versatile

-  Adaptable to terminals of any size or complexity and local specifications
-  All kind of Equipment configuration : Reach Stackers, straddle carriers, RTG and trucks....



A QUICK IMPLEMENTATION THROUGH A PROVEN AND PRAGMATIC METHODOLOGY, IN 4 STEPS

1 / Needs identification and Proposal

- 🚢 Needs and constraints identification
- 🚢 High level gap analysis
- 🚢 High level definition of features to implement
- 🚢 Identification of hardware / radio requirements
- 🚢 First level of Binding quote proposal

2 / Design and Build

- 🚢 Detailed Gap Analysis – Binding proposal
- 🚢 Functional and technical specifications
- 🚢 Coding for specifics
- 🚢 Tests
- 🚢 Use cases / processes description

3 / Training and configuration

- 🚢 Process Catalog delivery
- 🚢 Train the trainers approach : quick and easy adoption of our solution by your key users
- 🚢 Solution Configuration during Super Users training
- 🚢 Users Training assistance by our experts as needed

3 / Go live and Run Operations

- 🚢 On site support during go live
- 🚢 Experts training and on site support after go live
- 🚢 Efficient Help desk and support when system is in operations
- 🚢 Evolving solution allowing for customization as required

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.



OUR SERVICES, AS SOFTWARE INTEGRATOR



We implement our solutions ourselves

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 provide and install all the equipment you need

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 train and support your teams

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.

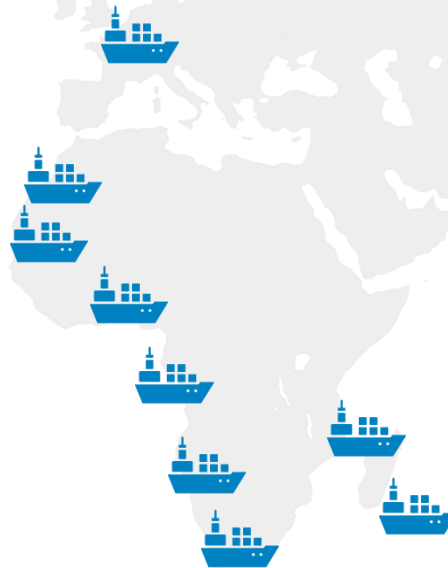


We ensure full maintenance and improvement

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.

OUR CLIENTS ARE OUR BEST REFERENCES

Thirty companies in the maritime industry worldwide chose us to improve their operational efficiency on their terminal.



Guadeloupe, Baie Mahault, OPERA / Martinique, Fort-de-France, DATA TERMINAL / Guinea, Conakry, CONAKRY TERMINAL / Sierra Leone, Freetown, FREETOWN TERMINAL / Ivory Coast, Abidjan, ATL / Benin, Cotonou, BENIN TERMINAL / Nigeria, Lagos, TICT / Cameroon, Douala, DIT / Congo, Pointe-Noire, CONGO TERMINAL / New-Caledonia, Noumea, SATO / SAT, and more...

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

 TGI Maritime Software

 TGI_TOS



MARITIME
SOFTWARE

www.tgims.com