



MAKE YOUR  
RIGHT MOVES!





## WELCOME TO THE CHESSCON FAMILY

Welcome to the next generation of terminal optimisation software. Like chess players, terminal operators are constantly strategising to develop their next big move.

CHESSCON utilises visualisation, simulation and emulation to aid the operator's strategic and tactical planning as well as the start-up of new terminal components.

This software will optimise your day-to-day operations by finetuning TOS (Terminal Operating System) parameters and training the control staff to become grandmasters in terminal operation.

# CHESSCON

## TERMINAL VIEW

### **CHESSCON TERMINAL VIEW**

allows you to create your own 3D container terminal in a fast and easy way.

### HIGHLIGHTS

This is an extremely valuable tool for planning, presenting and marketing. Based on a 2D editor, the layout of a terminal can be drawn in a short time and then be converted to a 3D model with one simple click.

Once created, your 3D container terminal can be viewed from all angles.

- Design your container terminal within hours
- Browse a free library of 3D terminal objects
- Import your own 3D models
- Provide 3D viewer to your client



Original CHESSCON screenshot

# CHESSCON

CAPACITY

**CHESSCON CAPACITY** recognised worldwide as an excellent tool for evaluating quaysides capacity and calculating the optimal number of cranes needed, as well as the number of slots per container type.

## HIGHLIGHTS

Users of this software include terminal operators, port authorities and terminal planners. AKQUINET PORT CONSULTING's experts use the product internally and externally for consultancy projects across the globe.

- Determination of quay capacity
- Analysing stacking area's capacity
- Differentiation by vessel types
- Support of various container types



# CHESSCON SIMULATION

**CHESSCON SIMULATION** is known and used all over the world. This tool has been approved by container terminals worldwide.

## KEY FEATURES

It allows terminal operators and consultants to accomplish their strategic and tactical planning in a fast and easy way. To find the best solution the terminal operator can run through many options (manual, semi-automated, automated) to find the winning strategy in a complex market.

- Planning of new terminals
- Reorganisation of existing ones
- Utilisation of equipment
- Evaluation of handling strategies
- Applicable for any terminal layout
- Easy-to-operate user interface
- Intuitive for users without specific expertise in simulation technique
- Online animation



Original CHESSCON screenshot

# CHESSCON

## VIRTUAL TERMINAL

### CHESSCON VIRTUAL TERMINAL

provides a 3D model of a complete container terminal with all of its equipment and reacts like a real terminal. The software's open architecture allows you to easily connect to any existing TOS. This is the state of the art to test TOS

### BENEFITS

functionality with-out disturbing the real operation, which improves your terminal's productivity, availability and stability. Make more moves without burning fuel, making noise and emissions. For the testing of new TOS releases, look no further. CHESSCON VIRTUAL TERMINAL speeds the start-up phase of a new terminal and brings the control staff to an grandmaster level of operational understanding.

- Optimise utilisation of equipment
- Improve your terminal productivity
- Optimise handling strategies
- Reduce operational costs
- Increase the skill of your control staff
- Secure go-live and TOS releases



# CHESSCON

## YARD VIEW

**CHESSCON YARD VIEW** increases your operational yard planning. This software is an extremely valuable tool for planning, optimising and presenting your container terminal.

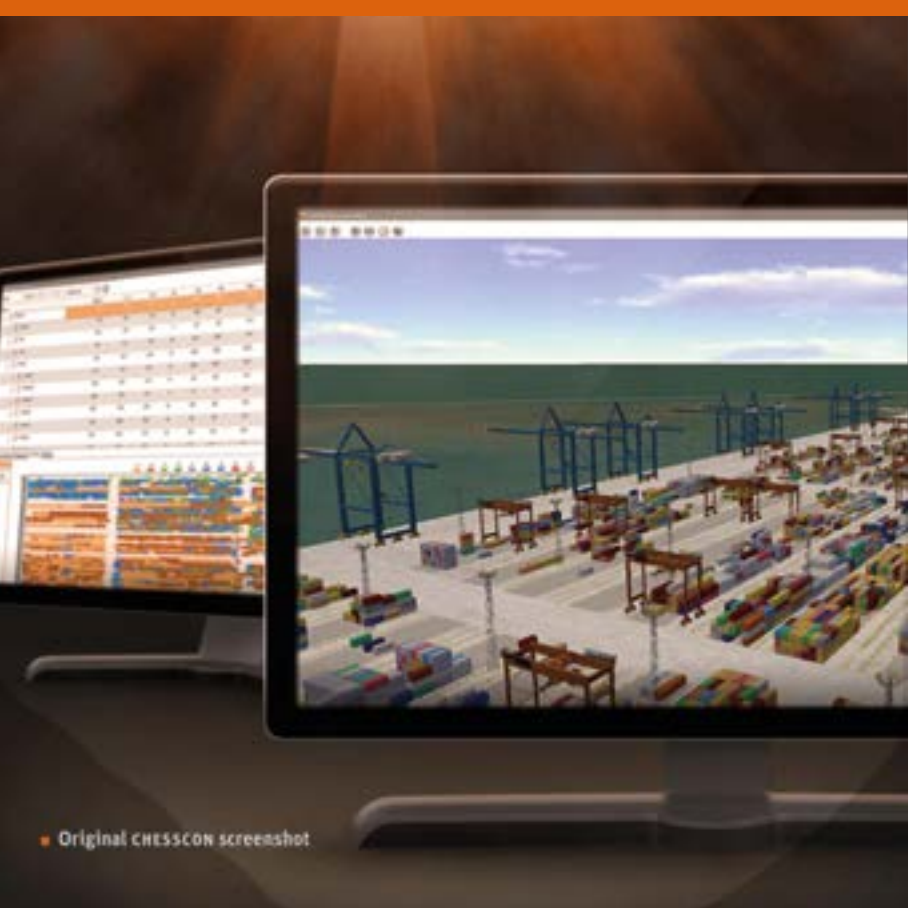
### HIGHLIGHTS

CHESSCON YARD VIEW gives you the opportunity to see your terminal in a way you have never seen it before. There is no limit to filtering your container inventory. No more boring 2D visualisation, now you will see your terminal in a high quality 3D view and instinctively understand the yard strategy.

- 3D Overview of your terminal
- Shows real container inventory
- Take a look around your yard on every position in your terminal
- Easy connection to every TOS
- Shows yard as detailed as needed
- No limits to filtering container inventory



Original CHESSCON screenshot



Original CHESSCON screenshot

### **CHESSCON SHIFT PREVIEW**

verifies your day-to-day shift planning in minutes. It uses interfaces to TOS to import all required information of the current planning state regarding the upcoming workload. CHESSCON SHIFT PREVIEW simulates your planned terminal in minutes and delivers fast results of your current planning status before the shift begins.

The software uses the Overall Equipment Effectiveness (OEE) which secures fast access to comparable results. Become proactive instead of reactive. Discover your bottlenecks.

### **IMPORTED DATA**

- vessel-, truck- and rail arrivals
- housekeeping moves
- container inventory
- yard- and equipment allocations

# CHESSCON

## SHIFT PREVIEW

### **HIGHLIGHTS**

- Verify your current shift planning
- Ease of use
- Based on actual tos data
- Improve yard allocations
- Detect yard clashes
- Enhance deployment of equipment
- High speed simulation (3000 moves/minute)





## OUR APPROACH

### **AKQUINET PORT CONSULTING**

provides services revolving around the CHESSCON family of products.

We start with the installation of the software, typically, the first terminal model will be built during this phase. We can also assist in the start up of new projects.

## OUR SERVICES

If required, we can develop complete models and perform the study.

Terminal operators will recognise this approach as being similar to those provided by TOS suppliers.

After TOS installation and configuration, they will operate and manage the system on their own and, from time to time, consult the TOS supplier's experts for help specific decisions.

- Sales and marketing of the products
- Training and customising
- Enabling the client to get started
- Supporting the start up of new projects
- Maintenance of the products

## REFERENCES

**akquinet port consulting GmbH** (former ISL Applications GmbH) was the commercial part of the world wide known Institute for Shipping Economics and Logistics - ISL.

For 30 years, AKQUINET PORT CONSULTING is specialising in optimisation and simulation systems, which are used around the world for optimising

container terminals, harbor planning and analysing transportation networks.

AKQUINET PORT CONSULTING´ s experts provide all services around these products and are part of a huge network, which includes expertise from terminal operators, software engineers, terminal planner, etc.





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