



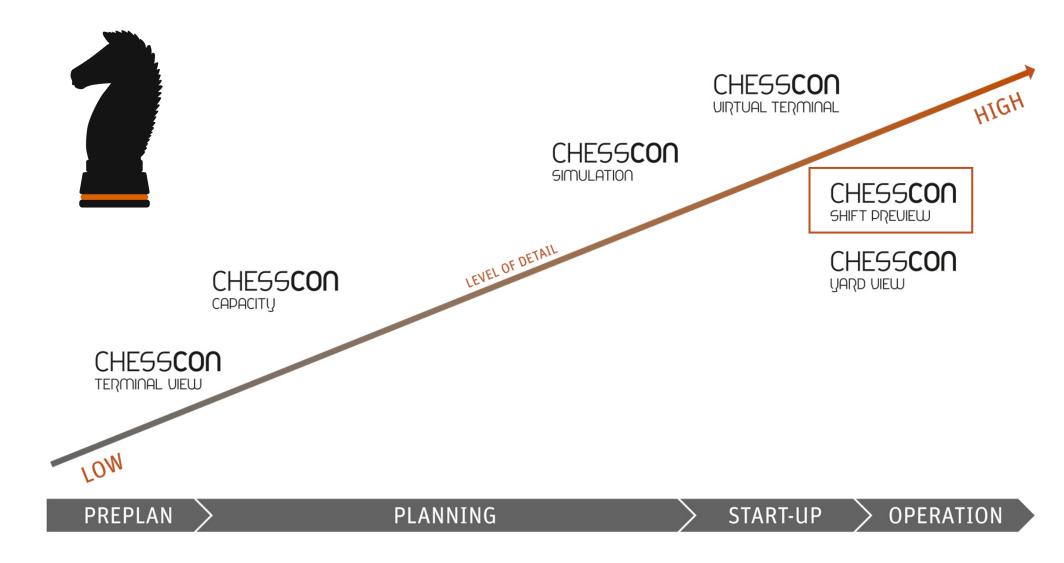
CHESSCON

SHIFT PREVIEW



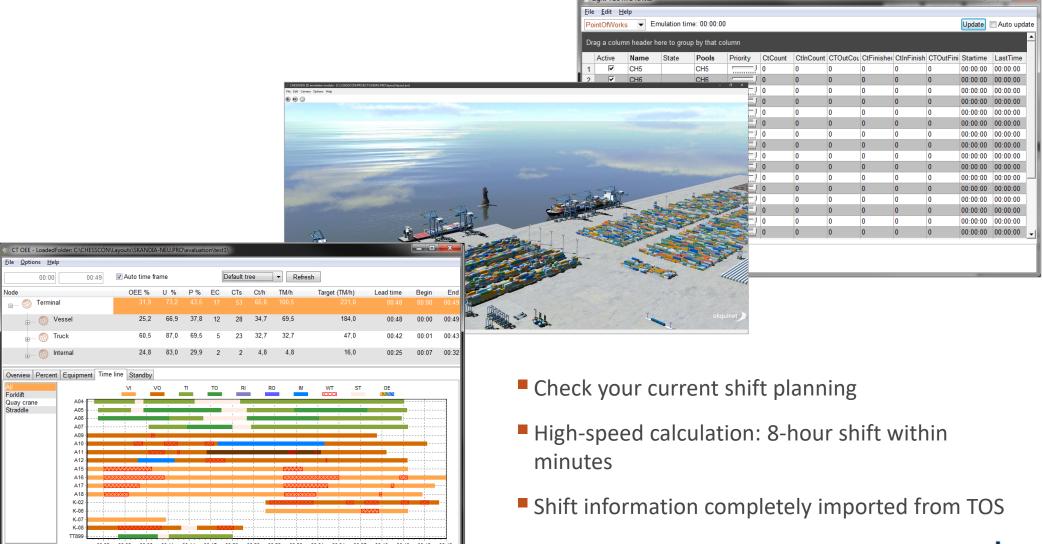
OPTIMIZATION SOFTWARE FOR CONTAINER TERMINALS





CHESSCON SHIFT PREVIEW – SIMULATE YOUR FUTURE SHIFT IN MINUTES





CHESSCON SHIFT PREVIEW - MISSION





SIMULATE AND OPTIMIZE YOUR CURRENT SHIFT PLANNING

- Optimize deployment of equipment
- Optimize yard allocations
- Avoid yard clashes

BASED ON YOUR REAL ACTUAL TOS DATA

- Yard layout
- Container inventory
- Work queues
- Equipment allocations (Pools & POWs)
- Yard allocations

CHESSCON SHIFT PREVIEW – ADVANTAGES





- Easy to use
- Almost all required data imported from the TOS
- Avoid manual interaction by defining standard reactions of the system
- High Speed Simulation
 - More than 3000 containers per minute

CHESSCON SHIFT PREVIEW AGAINST CHESSCON VIRTUAL TERMINAL EMULATION





YOU CAN DO THE SAME
WITH OUR VIRTUAL TERMINAL EMULATION

VIRTUAL TERMINAL EMULATION

- Same results as in real world
- It takes time to prepare an emulation run
- It takes time to run emulation (max. 5 times faster than real time)
- approx. 4 hours for one shift 🕾

SHIFT PREVIEW

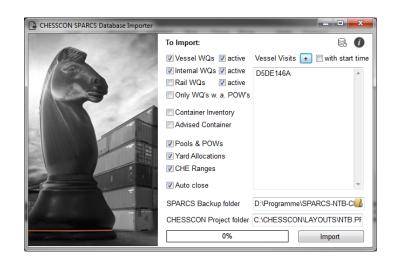
- Nearly same results as in real world
- Runs without connection to the real TOS
- Less than 5 minutes for one shift ©

CHESSCON SHIFT PREVIEW TECHNICAL STRUCTURE



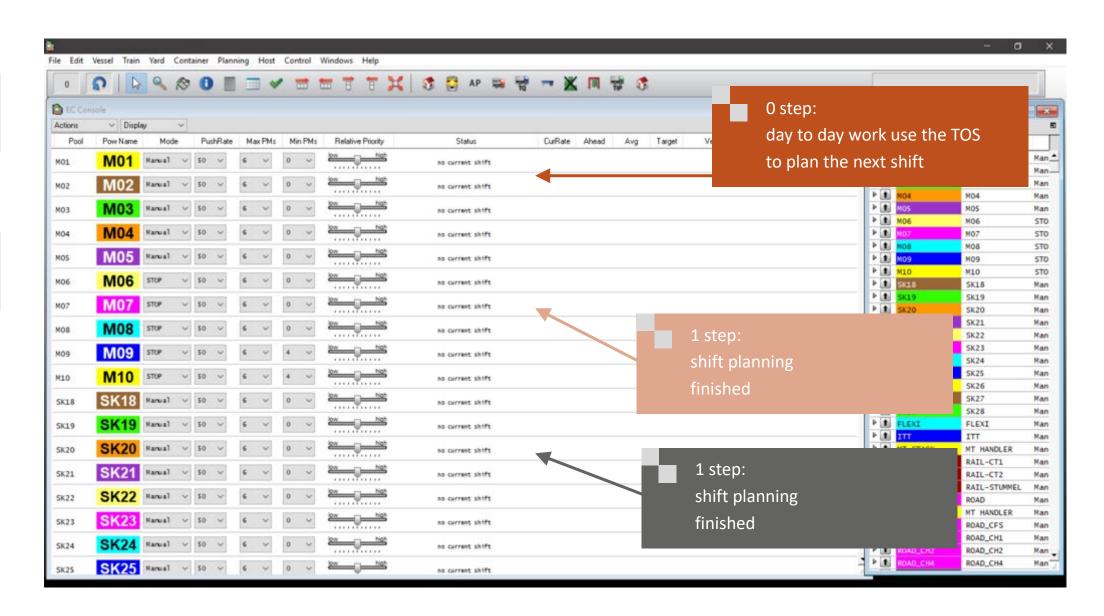
- Event-based simulation is required to allow high-speed calculation
- Real TOS does not allow event-based simulation.
- We are using a self developed "light TOS" which allows event-based simulation
- Shift information are imported from real TOS into the "light TOS"





CHESSCON SHIFT PREVIEW





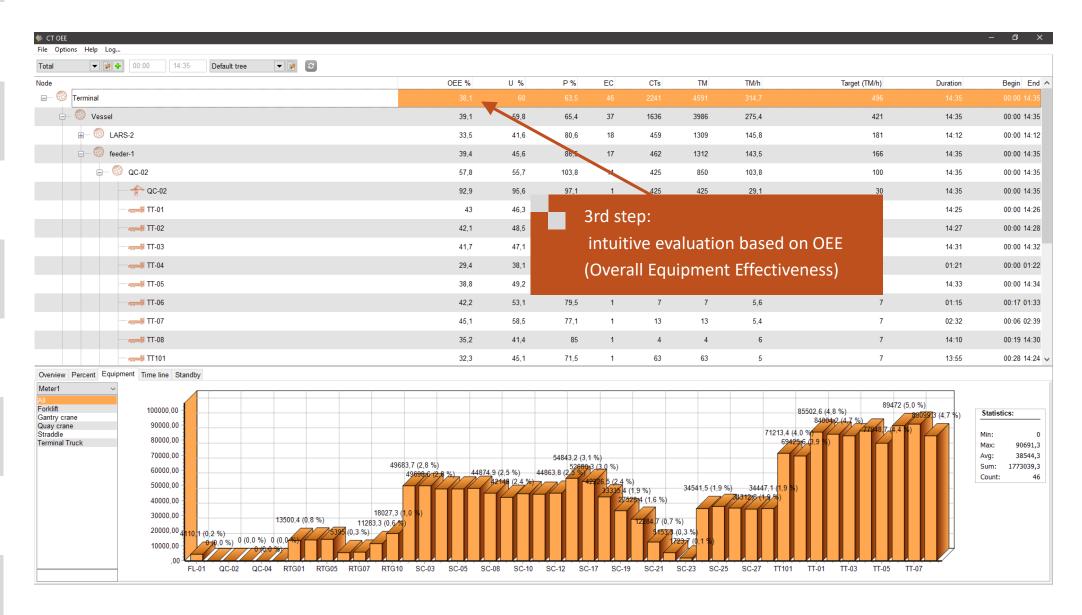
CHESSCON SHIFT PREVIEW





CHESSCON INTEGRATED SUMMARY

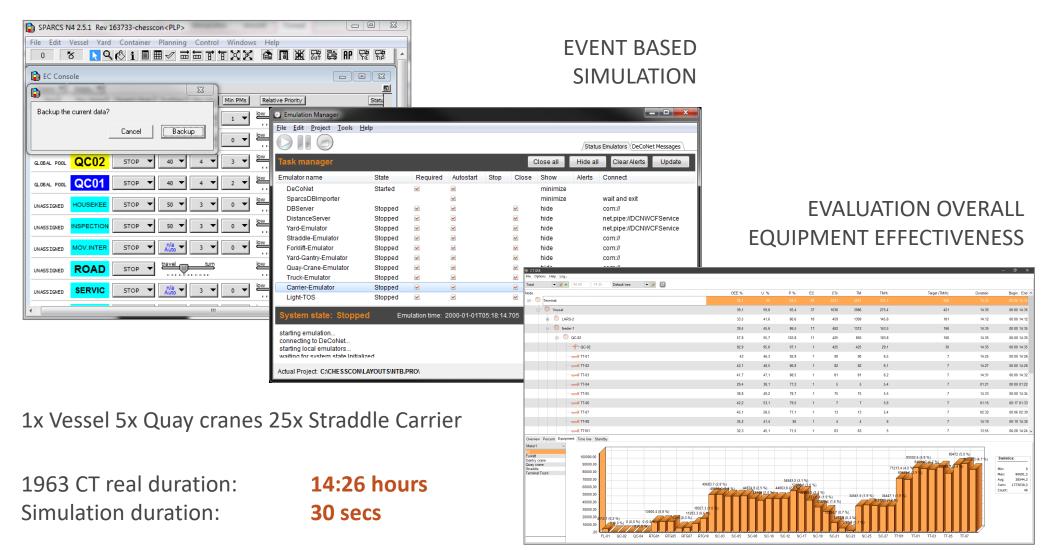




CHESSCON SHIFT PREVIEW HOW IT WORKS



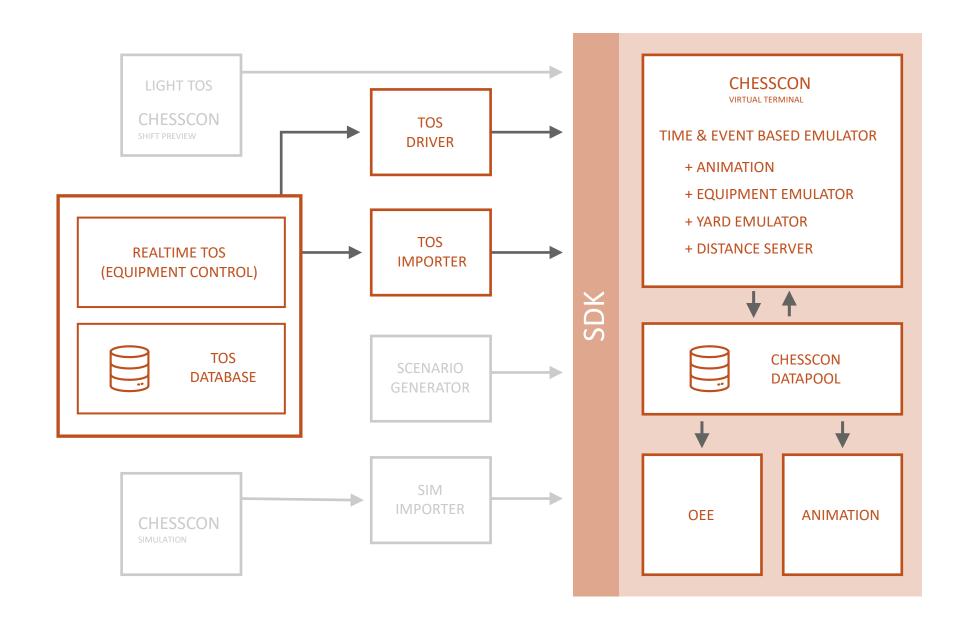
TOS



VIRTUAL TERMINAL WITH TOS INTEGRATION



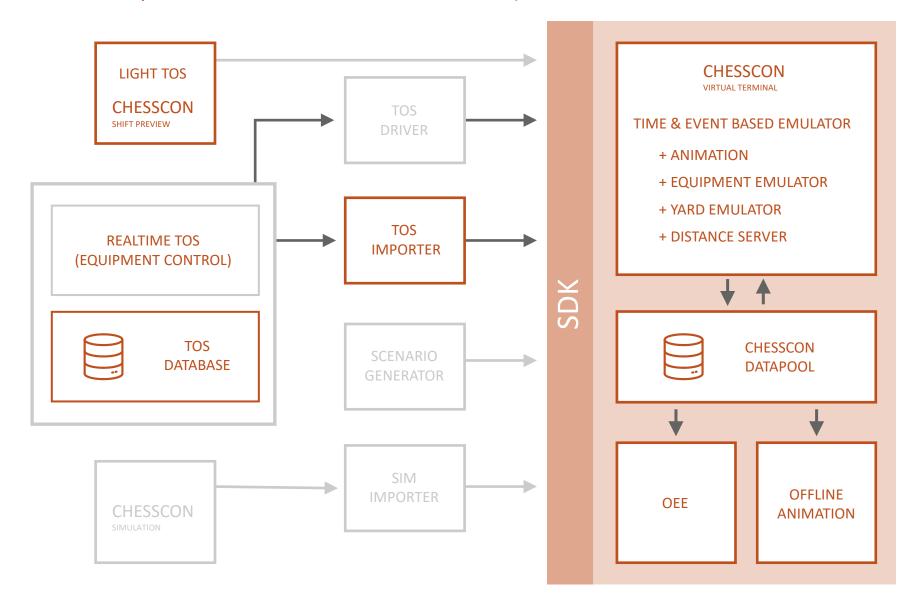
(For testing the TOS, a full N4 version has to be installed to control the virtual operation)



SHIFT PREVIEW BASED ON TOS DATA



(For forecasting the next hours of operation, the current planning state is imported from TOS via "backup" – afterwards the simulation runs off-line)





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