



# MARITIME SIMULATORER

AV

Ove A Bentsen

TRANSAS NORGE AS





# ANNERKJENTE KVALITETS KRITERIER

**TRANSAS**  
SETS THE STANDARD

## Maritime simulatorer:

- Dekker minimum alle essensielle områder innen maritim trening i henhold til STCW '95 krav.
- Konstruert for å kunne utføre flere kundespesifiserte oppgaver, være kost effektive og enkle å betjene
- Sertifisert av DNV, MCA, France Telecom, Industry Canada, Russian Register of Shipping, kurs godkjent av US Coast Guard,.....etc.



STCW<sup>95</sup>

MCA®

# STANDARD OG KVALITETS KRITERIER

- Nye trenings behov, spesial operasjoner, teknologiske forbedringer, krav til fleksibilitet....
- Hvem setter kvalitets og standard kriteriene?





# DE “TRADISJONELLE” SIMULATORER

**TRANSAS**  
SETS THE STANDARD

➤ Radar/ARPA & ECDIS trening



# DE “TRADISJONELLE” SIMULATORER

- Radar/ARPA & ECDIS trening
- Nettverk

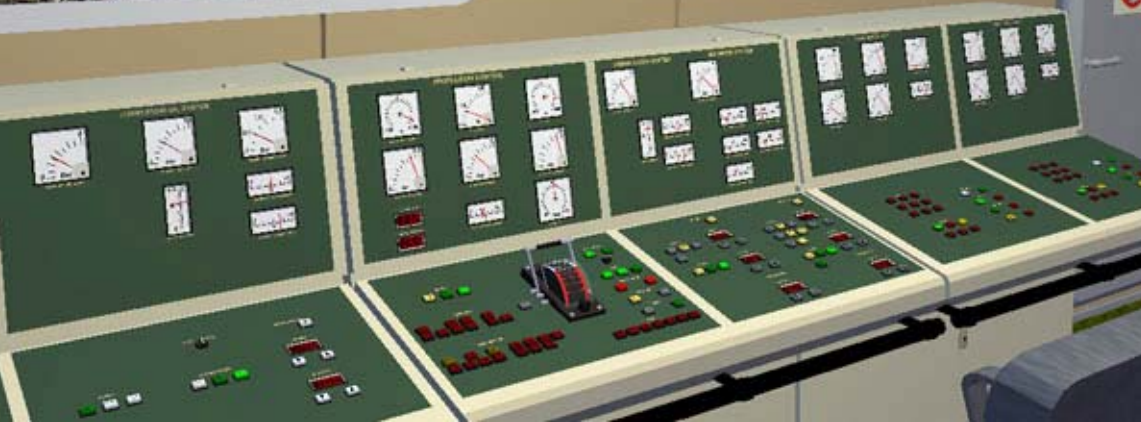




# DE “TRADISJONELLE” SIMULATORER

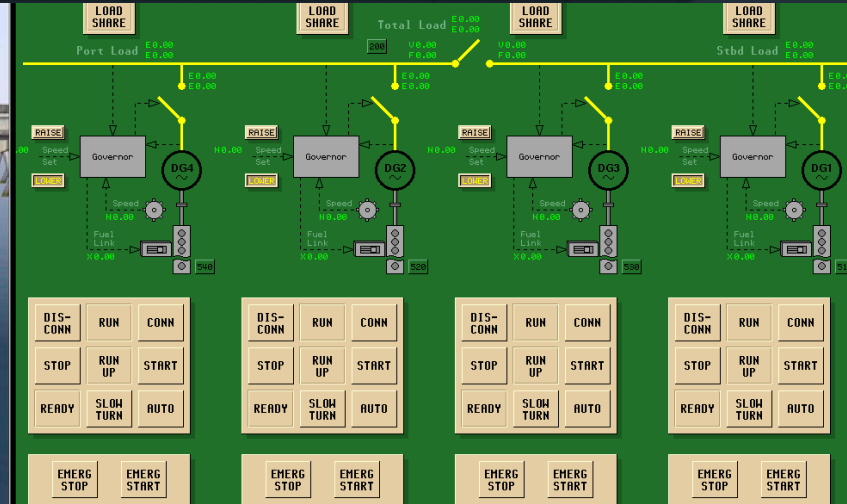
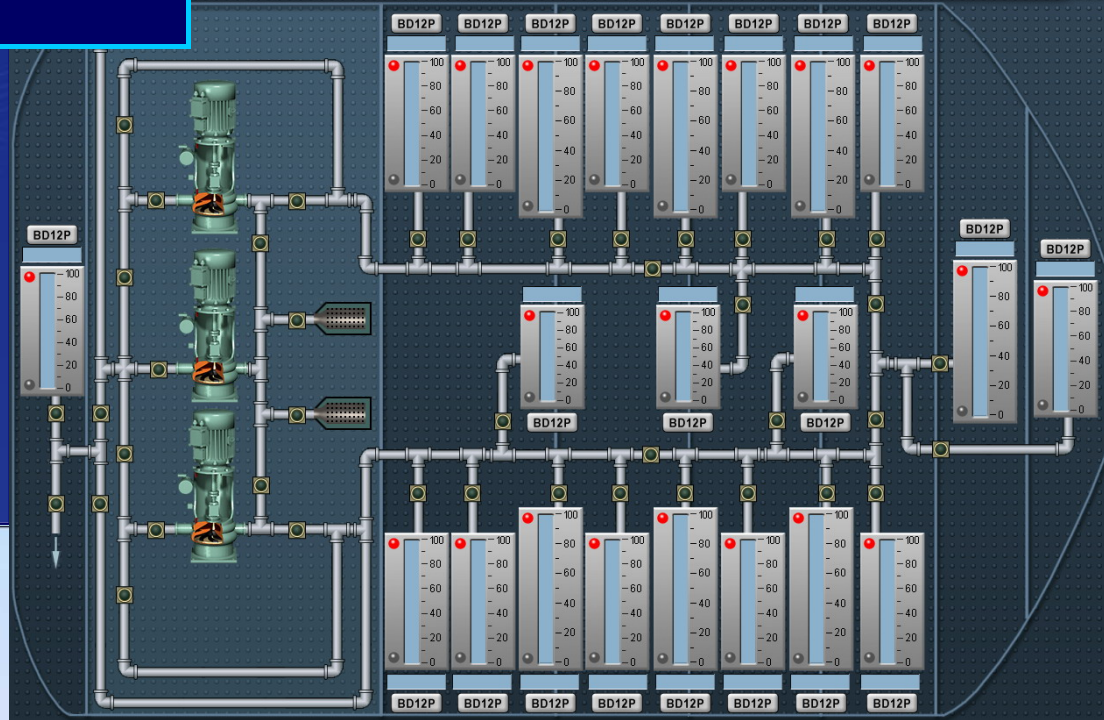
**TRANSAS**  
SETS THE STANDARD

- Radar/ARPA & ECDIS trening
- Nettverk
- Full Mission



# DE "NYE MARITIME" SIMULATORER

- Radar/ARPA & ECDIS trening
- Nettverk
- Full Mission
- Cargo Handling





# DE "TRADISJONELLE" SIMULATORER

**TRANSAS**  
SETS THE STANDARD

- Radar/ARPA & ECDIS trening
- Nettverk
- Full Mission
- Cargo Handling
- Kommunikasjon (GMDSS)





# DE "NYE MARITIME" SIMULATORER

**TRANSAS**  
SETS THE STANDARD

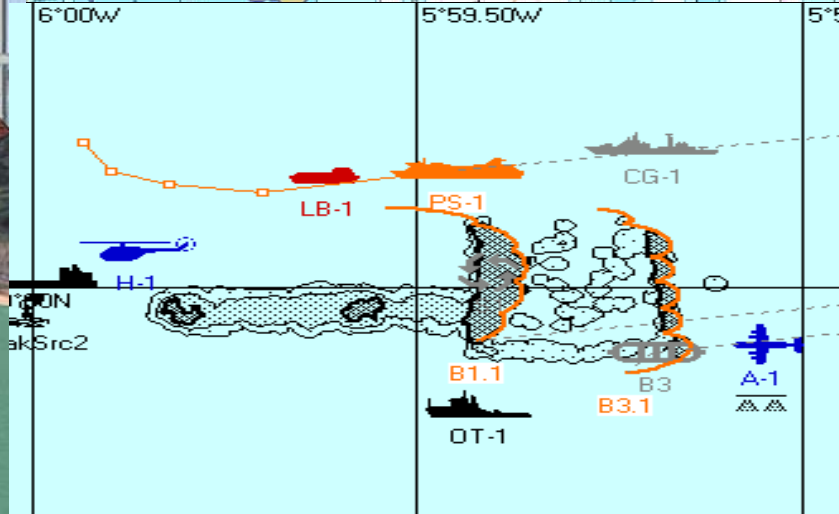
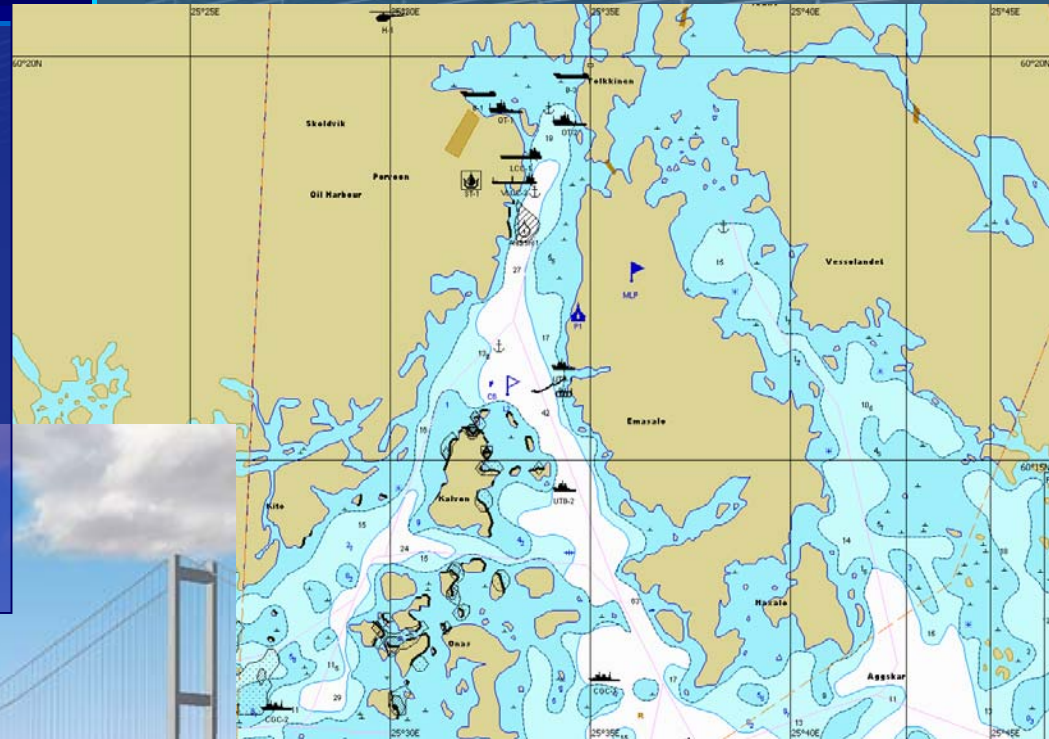
- Radar/ARPA & ECDIS trening
- Nettverk
- Full Mission
- Cargo Handling
- Kommunikasjon (GMDSS)
- Search And Rescue (SAR)



# DE "NYE MARITIME" SIMULATORER

**TRANSAS**  
SETS THE STANDARD

- Radar/ARPA & ECDIS trening
- Nettverk
- Full Mission
- Cargo Handling
- Kommunikasjon (GMDSS)
- Search And Rescue (SAR)
- Oil Spill (CRM)





# DE "NYE MARITIME" SIMULATORER



**TRANSAS OIL PRODUCT TERMINAL CONTROL CONSOLE**

Save Record Pause Hint Help Close

Cargo	0.0 t	0.5 m	5.2 m	8.9 m	2.6 m	16880.0 t	Cargo Time	00:00:00
Ballast	800.0 t					110.0 t	Ballast Rate	x25
Deadweight	800.0 t					16990.0 t	Deadweight	x5
Displacement	800.0 t					16990.0 t	Displacement	x1

22 °C  
760 mm

Tb To1 To2 To3 To4 Tc1 Tc2 Tj1 Tj2 Ts1 Ts2 Tw1 Tw2 Tu1 Tu10 Tt1

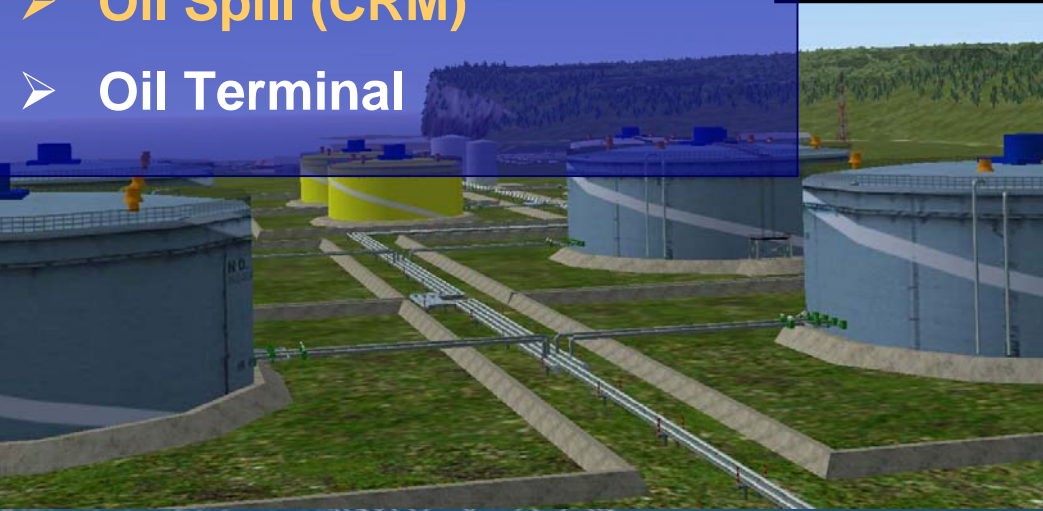
**Tank Tc1**

HiHi	Capacity	20000.0 m3
Hi	Volume	1703.4 m3
Level	Density	998.0 kg/m3
1.70 m	Weight	1700.0 t
Lo Lo	Flow	0.0 m3/h
	Average temperature	20.0 °C
	Gas pressure	961.9 mm WC

Cargo	Density	Concentration
Fresh Water	998.0	1.00

Task Overview Storage Service Pumps Jetty Inert Water

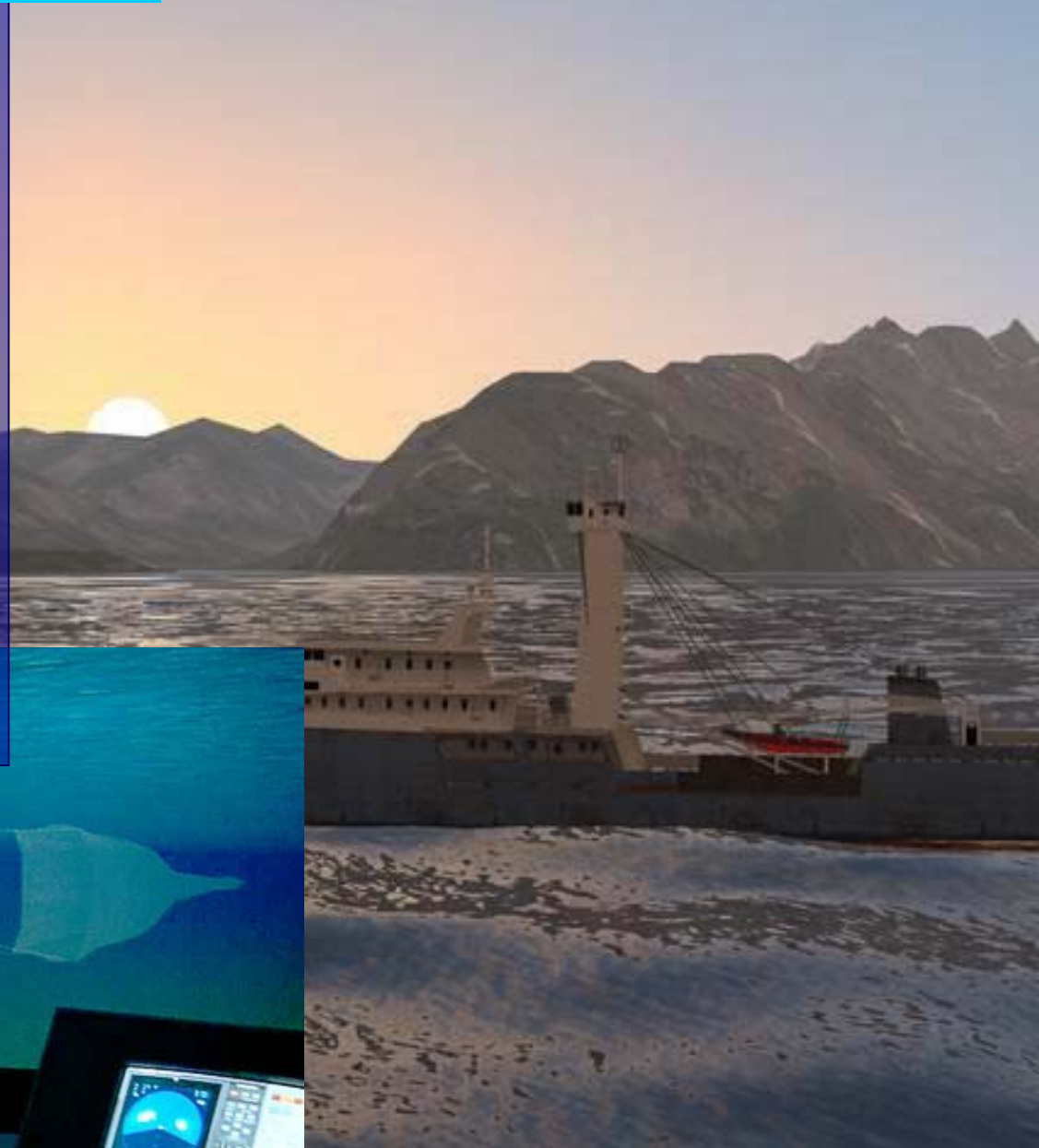
- Radar/ARPA & ECDIS trening
- Nettverk
- Full Mission
- Cargo Handling
- Kommunikasjon (GMDSS)
- Search And Rescue (SAR)
- Oil Spill (CRM)
- Oil Terminal



# DE “NYE MARITIME” SIMULATORER

**TRANSAS**  
SETS THE STANDARD

- Radar/ARPA & ECDIS
- Nettverk
- Full Mission
- Cargo Handling
- Kommunikasjon (GMDSS)
- Search And Rescue (SAR)
- Oil Spill (CRM)
- Olje terminal
- Fiskeri simulator





# DE “NYE MARITIME” SIMULATORER

**TRANSAS**  
SETS THE STANDARD

- Radar/ARPA & ECDIS
- Nettverk
- Full Mission
- Cargo Handling
- Kommunikasjon (GMDSS)
- Search And Rescue (SAR)
- Oil Spill (CRM)
- Olje terminal
- Fiskeri simulator
- Spesial operasjoner



**VTS**



**DP**



**TUGGING**

# DE “TRADISJONELLE” SIMULATORER



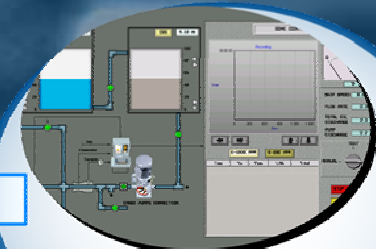
**Full Mission Machinery Simulator**



**Full Mission Bridge Simulator**



**Flight Simulator**



**Liquid Cargo Handling Ship Simulator**



**VTMS Operation Simulator**



**Full Mission Radio Communication Simulator**



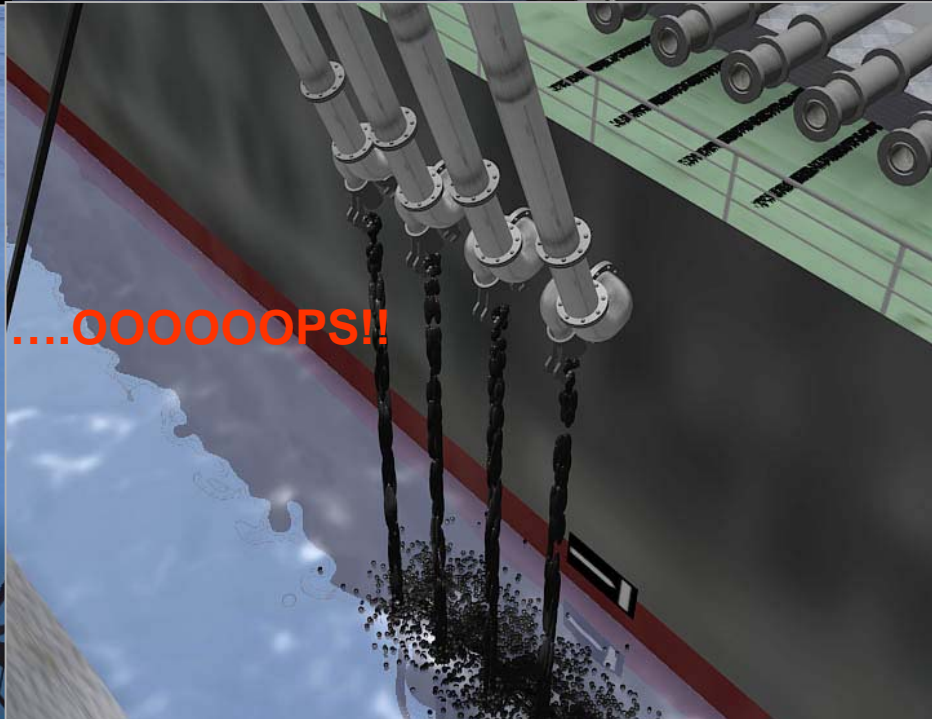
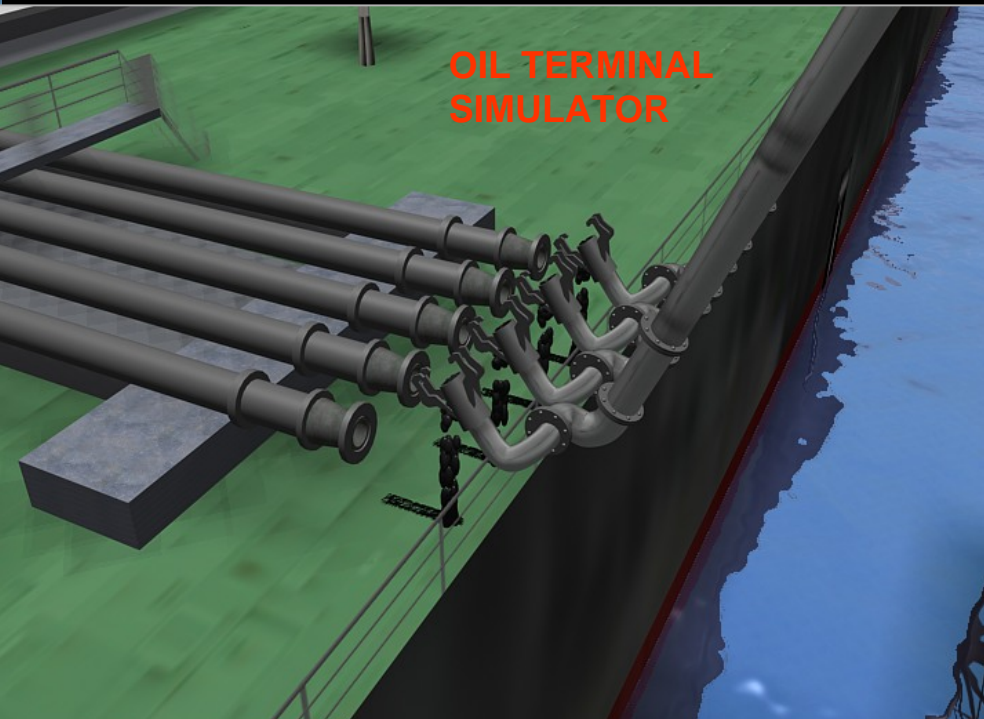
**CARGO HANDLING  
SIMULATOR**



**FULL MISSION- &  
TUG SIMULATOR**



**OIL TERMINAL  
SIMULATOR**



# CRM SIMULATOR





# DE "NYE MARITIME" SIMULATORER

**TRANSAS**  
SETS THE STANDARD

## SAR SIMULATOR



## HELI WINCH OPERATOR SIMULATOR



## OFFSHORE



## HELICOPTER SIMULATOR



# DE “FRAMTIDIGE” SIMULATORER

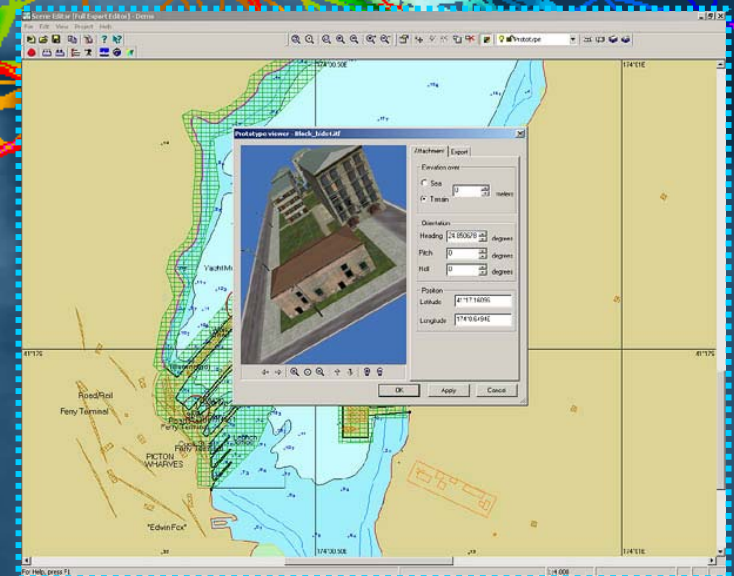
## STANDARD OG KRAV TIL:

- REALISME
- HYDRODYNAMISKE MODELLER
- FUNKSJONALITET
- UTVIDELSE AV STANDARD OG KRAV VED INTEGRERING AV FORSKJELLIGE SIMULATORER
- BRUKER GRENSESNIITT
- INSTRUKTØRER



# MODEL WIZARD

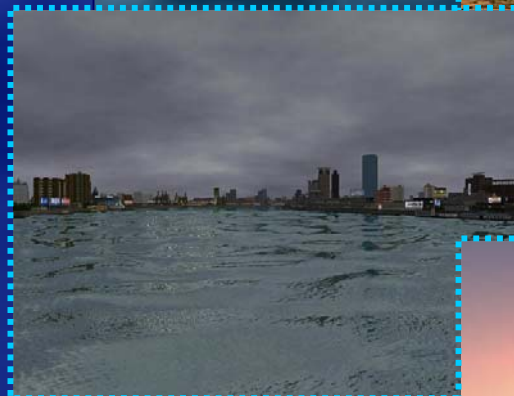
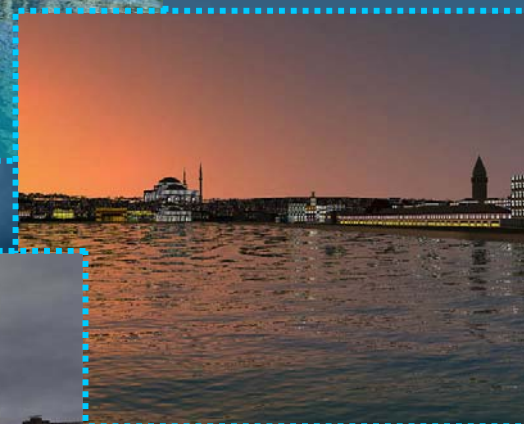
- Ensures prompt automatic construction of 3D surfaces, submerged terrain and aids to navigation for a selected area
- Models can be created for any area in the world
- Automatic generation of the optimum presentation logic
- No 3D modeling skills are required by the operator





# VISUAL PRESENTATION

- **Highly realistic presentation of sea surface, weather, visibility and illumination effects**
- **Built-in database on astronomic objects and climatic conditions**
- **Full control from the Instructor station**
- **Dynamic changes of visual conditions and parameters before or during the exercise**







**TAKK FOR  
OPPMERKSOMHETEN**

 **TRANSAS**  
SETS THE STANDARD



# WORLDWIDE QUALITY STANDARD



- Transas HUB offices located in the UK, Russia, USA, Singapore, Sweden, Germany, China and UAE
- Service and Distribution network established in 90 countries
- Regular training and certification courses for Transas engineers
- Customers' Instructor Training programs on all types of simulators





# TRANSERV - TECHNICAL MAINTENANCE, SERVICE AND UPGRADE PROGRAM

**TRANSAS**  
SETS THE STANDARD



Transas/ Support service (Technical assistance, service centers) - Microsoft Internet Explorer

Address: http://www.transas.com/support.asp

home search company news support products distributors site map

### Technical support service

Need technical assistance?  
[Contact us!](#)

**TRANSERV**  
THE STANDARD OF SERVICE

Service, Support, Warranty and Upgrade Program for Transas customers  
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[Download \(MS Word\)](#)

### TRANSAS VECTOR CHARTS

TX-97 charts

**Chart Corrections**  
These files contain the latest corrections for Transas electronic charts data.

**Training courses**

- ECDIS Operator**  
designed to give the participants a deep understanding of modern ECDIS Operation
- YTS Operator**  
provides product-oriented training in the operation of the Navis Harbour System and all its components
- Navi-Trainer Instructor**  
course provides specialised training on the operation of the Transas Navi-Trainer simulation system and all its components
- Bridge Team management Course Instructor**  
designed to provide professional training to those Instructors, who are in charge of conducting Bridge Resource Management training
- TGS 4000 GMDSS simulator Instructor**  
Qualified training of those instructors, who are in charge of the design, execution and result assessment of training courses

**Download drivers**

- Radar Interceptor driver (010730)** (2.2Mb)
- Sentinel System Driver v 3.41** (4.23 Mb)  
Driver for Microsoft Windows XP

**Download ADD\_INFO NS2400/2500 pack**  
[NSxx00.exe](#) (51 Kb)

This SFX archive contains files required for the operation of a converter of ADD\_INFO user charts which were created in NS2400/2500 product series, to the format used by NS3000 series products.

**Important:**  
Please read the [Operating Guide](#) (html).

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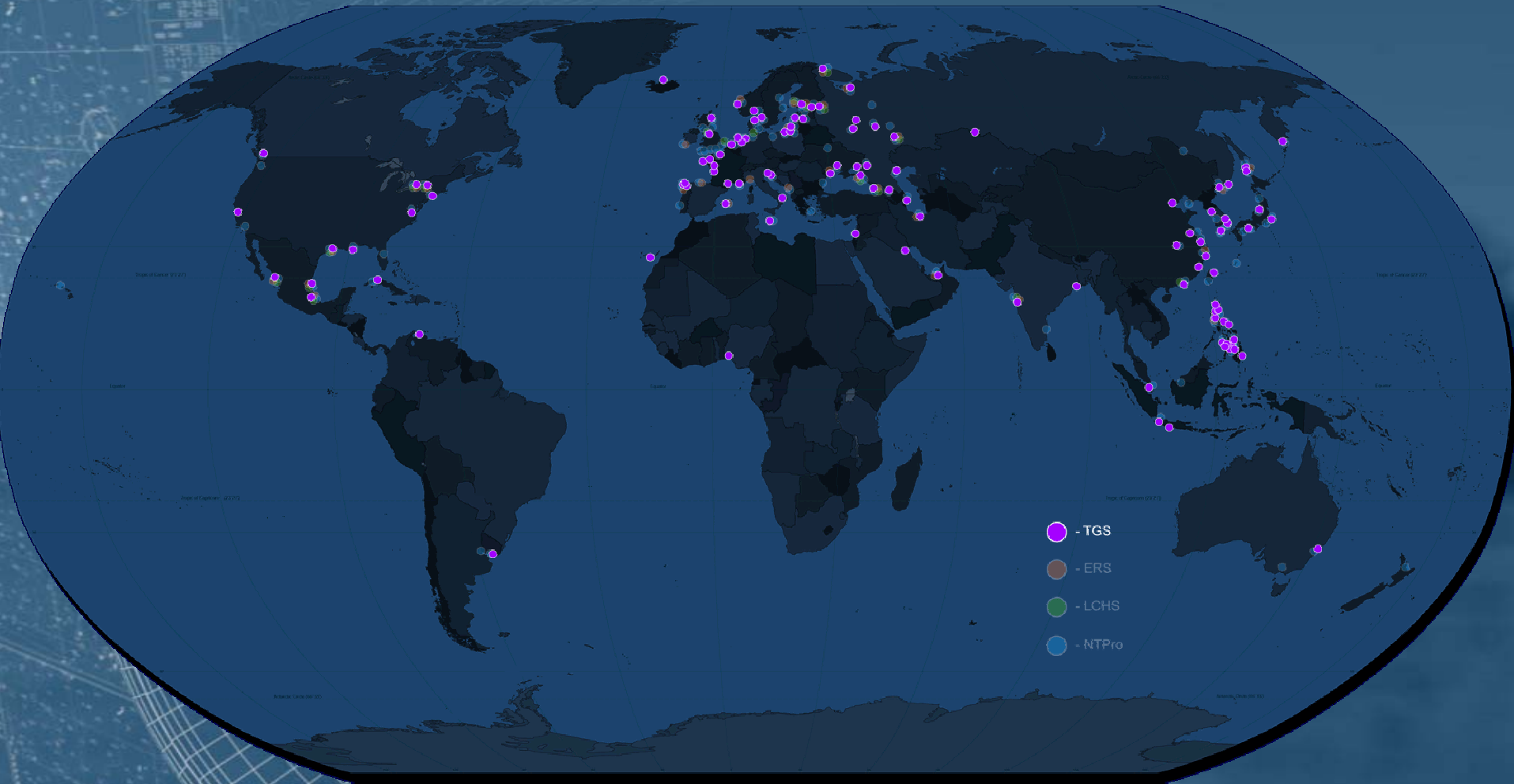
Any combination of service options to achieve total customer satisfaction through the best service and value for money:

- Technical and operational support
- Regular software and equipment upgrades
- Information and training services
- Feedback and developments



# TRANSAS WORLDWIDE SIMULATOR INSTALLATIONS

**TRANSAS**  
SETS THE STANDARD





For more information, please visit us at  
[www.transas.com](http://www.transas.com)  
or via our local authorized representative