



**TRANSATLANTIC**



**Peter Kindbom**

**Staffan Strive**

- **Rederi AB TransAtlantic**
- **Present situation**
- **Demands from crew**
- **Internet access**
- **Future solutions**



# Trade Areas:

Atlantic

Baltic

Mediterranean

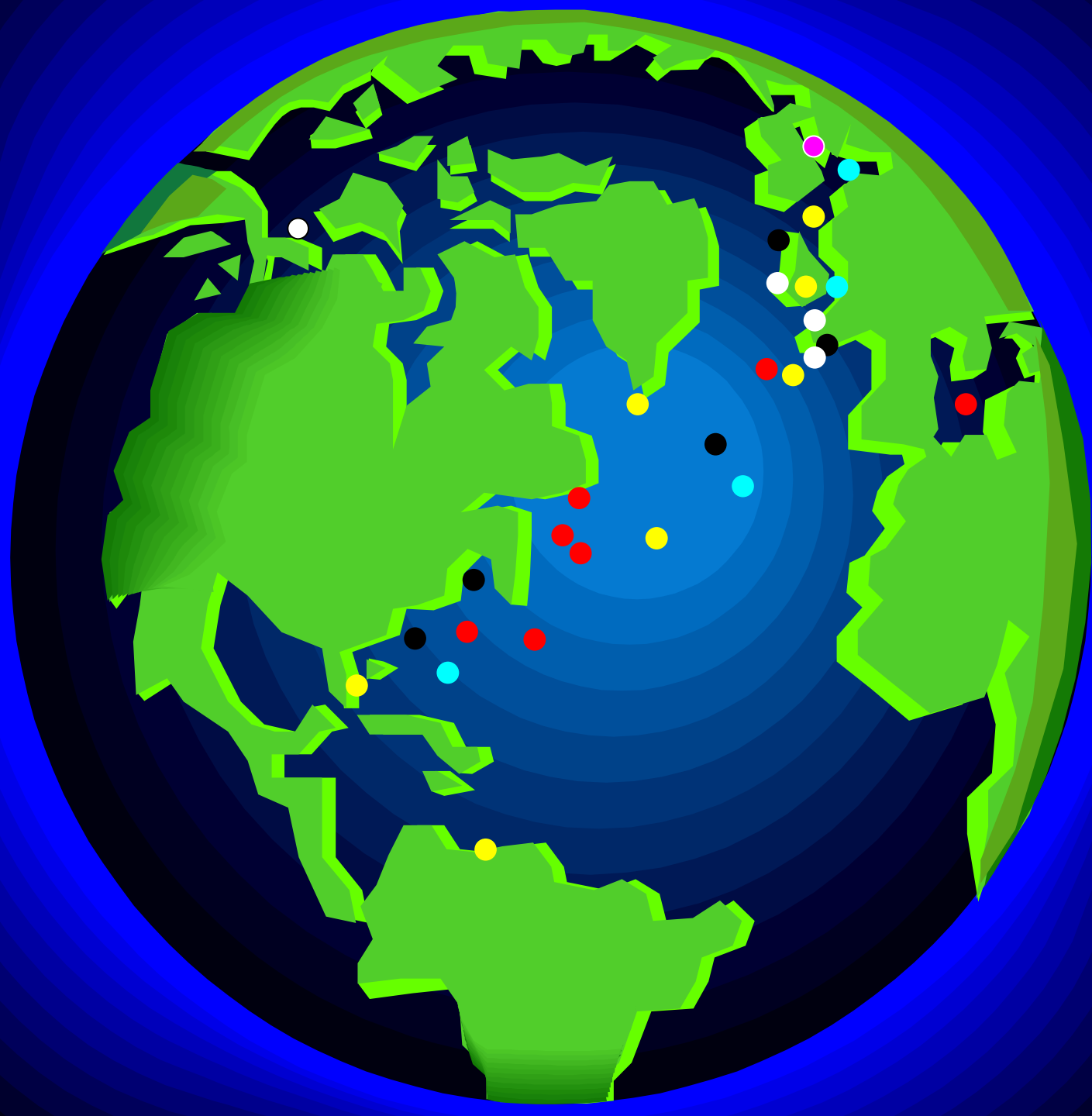
Greenland

Alaska

North Pole



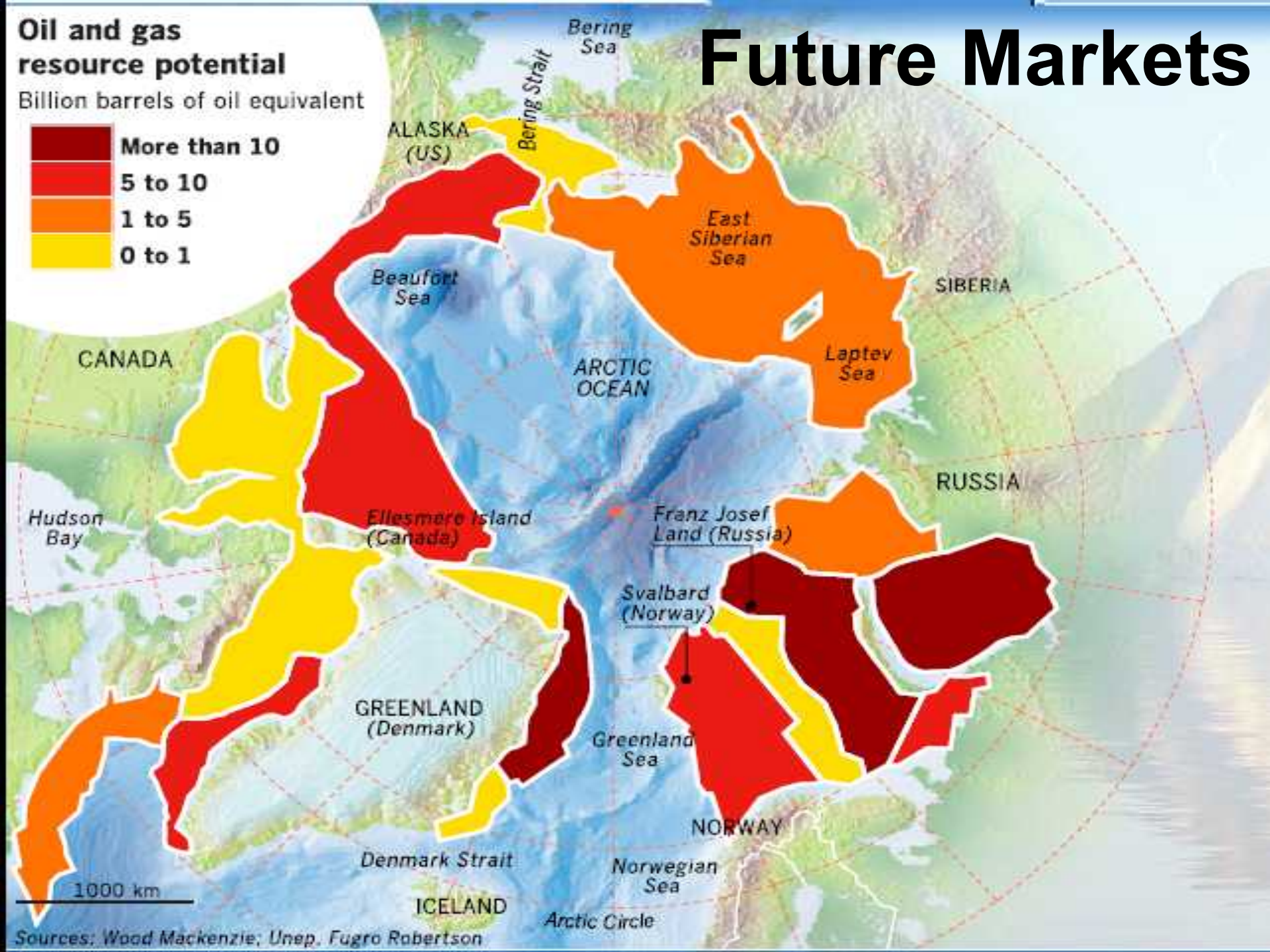
# Traffic Areas



# Future Markets

## Oil and gas resource potential

Billion barrels of oil equivalent



# Ship Management for 28 vessels 845 crew



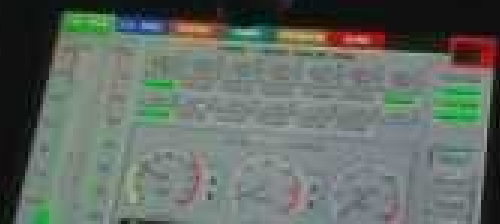
















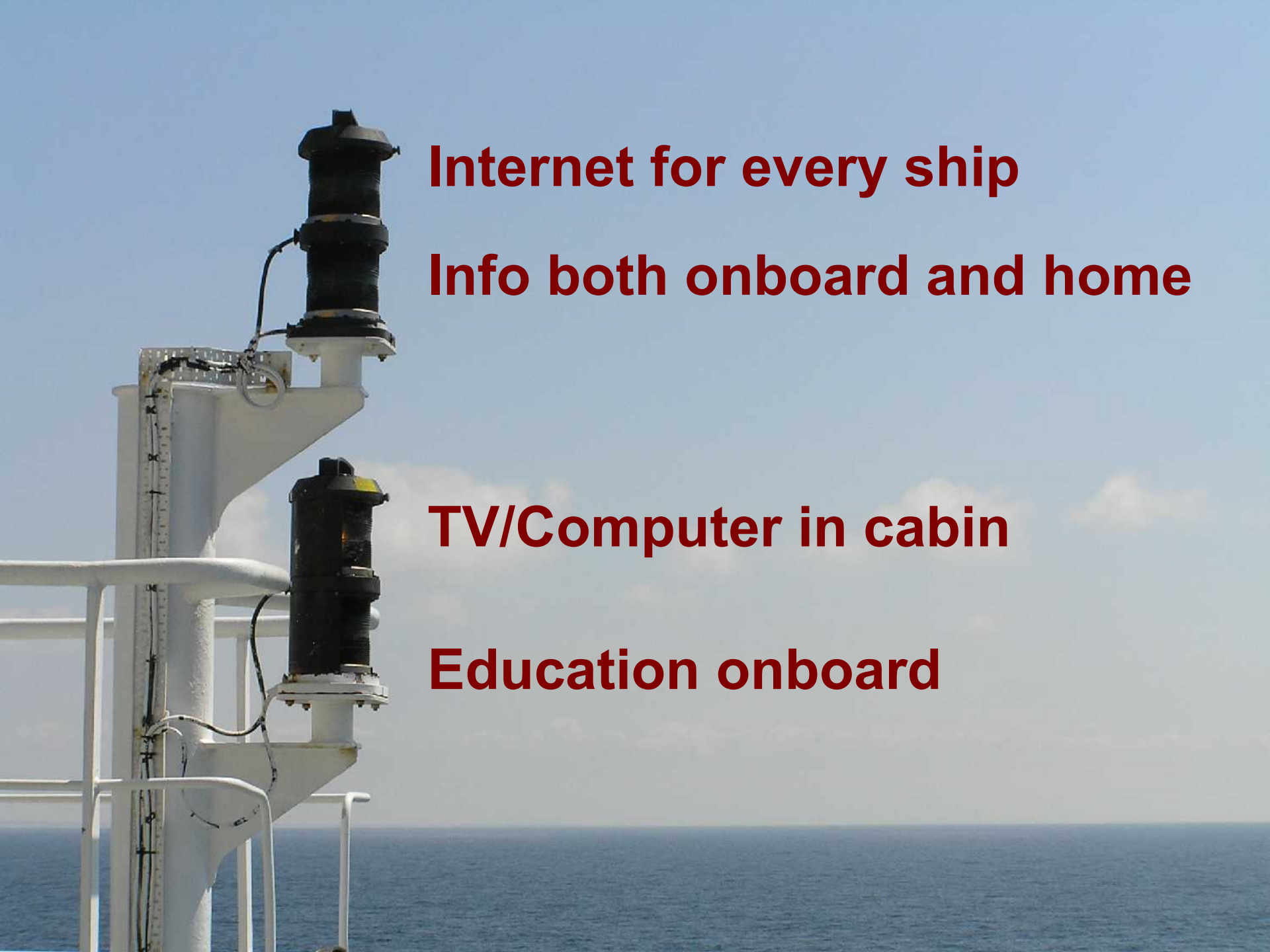








**Demands from Crew:**  
**Internet access**  
**Education in systems**  
**Safe systems**



**Internet for every ship**

**Info both onboard and home**

**TV/Computer in cabin**

**Education onboard**

**We need to  
be in the  
front to  
attract crew  
for the  
future**



**Helsingborg (14)**

**Helsingfors (3)**

**Göteborg (4)**

**Södertälje (10)**

**Skärhamn (54)**

**Transatlantic  
central ICT**

**Västerås (37)**

**Oxelösund (4)**

**Göteborg (20)**

**Transpaper (5)**

**Transpulp (5)**

**Transtimber (5)**

**Viola Gorthon (5)**

**Vidar Vikina (5)**

**Balder Vikina (5)**

**Tor Vikina (5)**

**Falcon (4)**

**TransMaple (7)**

**Finnfighter (7)**

**Finnwood (7)**

**Finnpine (7)**

**Ortviken (6)**

**Östrand (6)**

**Obbola (6)**

**TransOak (6)**

**Nordön (6)**

**Sandön (7)**

**Grande Brasil (7)**

**Grande Argentina (8)**

**Atlantic Cartier (7)**

**Atlantic Companion (8)**

**Atlantic Conveyor (5)**

**Atlantic Concert (7)**

**Atlantic Compass (5)**

# Broadband on board brings you closer

Maritime Broadband is a vital element in the continuous upgrading of the Transatlantic Fleet.

In close co-operation with Telemar, we now implement a modern broadband communication environment on board our vessels.

Easy, fast, reliable and cost effective access to the web, E-mail and telephony means simplified ship operation.




Broadband on board improves the well-being of our crews by easy and affordable contact with family and friends and the opportunity to stay in touch with life ashore.



[www.rabt.se](http://www.rabt.se)

[www.telemar.se](http://www.telemar.se)

# Transatlantic VSAT-ships today

<p><b>"Tor Viking" Solution</b></p> 	<p>VSAT Sealink C-band Global Coverage</p>	<p>Internet Access &amp; Voice Norwegian Telephone Numbers</p>	<p>Transmit 64 kbit/s dedicated Receive 1024 kbit/s shared</p>	<p><b>Tor Viking</b></p>
<p><b>"Transpaper" Solution</b></p> 	<p>VSAT Sealink Ku-band Regional Coverage</p>	<p>Internet Access &amp; Voice Norwegian Telephone Numbers</p>	<p>Transmit 64 kbit/s dedicated Receive 1024 kbit/s shared</p>	<p><b>Transpaper Transpulp Transtimber Vidar Viking Balder Viking</b></p>
<p><b>"Obbola" Solution</b></p> 	<p>Telemar Seacall Ku-Band Regional Coverage</p>	<p>Internet Access, Voice &amp; TV reception in Northern Europ�e Swedish telephone numbers</p>	<p>Transmit 512 kbit/s Receive 2048 kbit/s shared</p>	<p><b>Obbola Ortviken �strand Viola Gorthon</b></p>



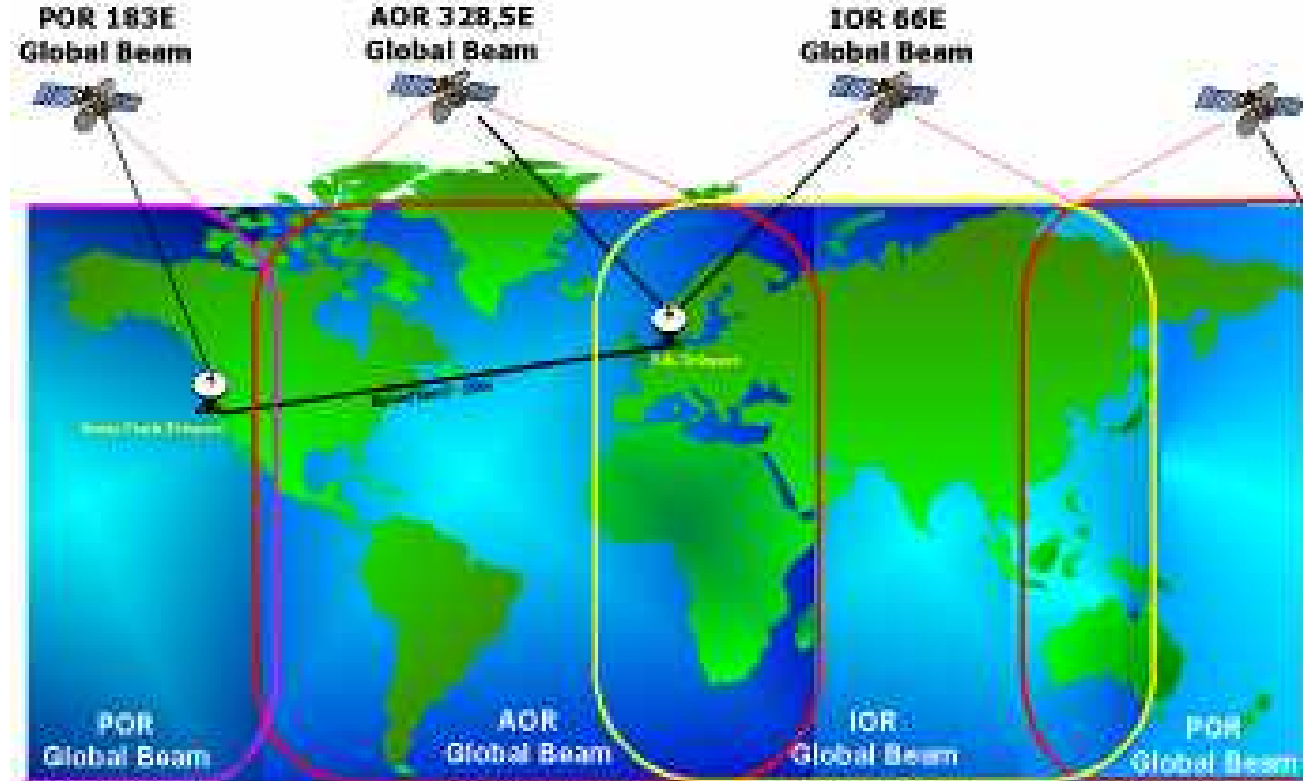
**NO SMOKING**  
**SAFETY FIRST**  
**DANGEROUS CARGO**

# "Tor Viking" Solution – VSAT C-band



## Seatel 9797 C-band antenna

Antenna diametre 2.4 m  
Radome diametre 3.75 m



**VSAT Sealink Global Coverage**

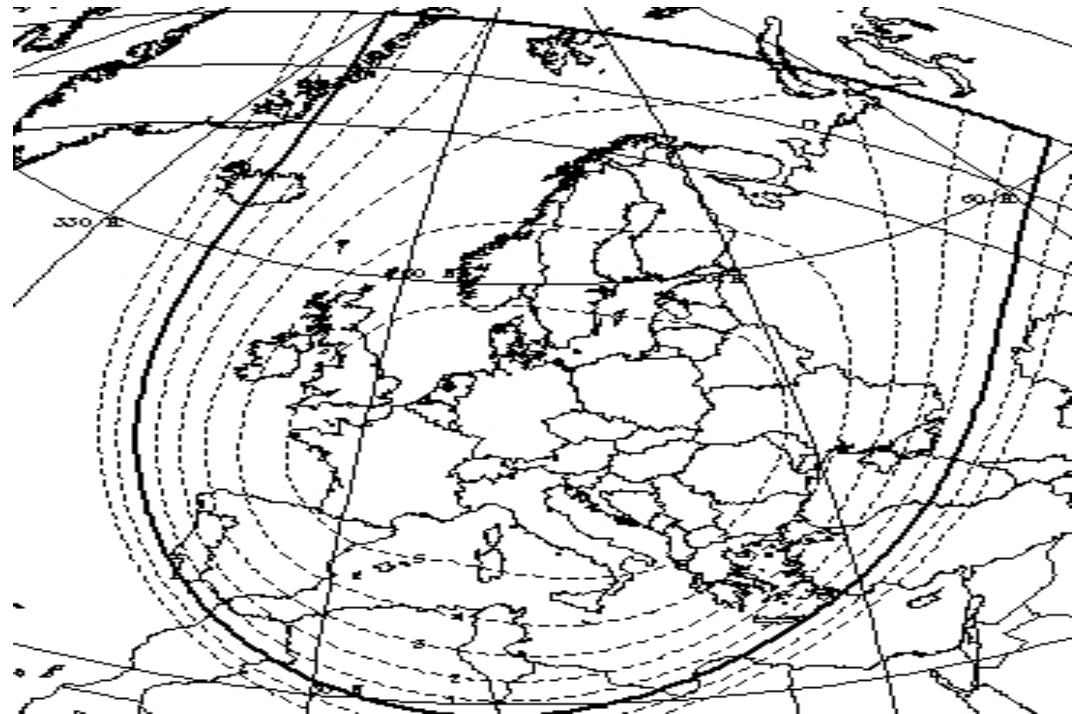
# "Transpaper" Solution – Ku-band



## Seatel 4006 Ku-band antenna

Antenna diameter 1 m

Radome diameter 1.2 m



VSAT Sealink European coverage Intelsat 10-02 Spot 1

# ”Obbola” Solution – Telemar SeaCall™



## Seatel 4006 Ku-band antenna Telemar SeaCall™ shipboard cabinet

Antenna diameter 1 m  
Radome diameter 1.2 m

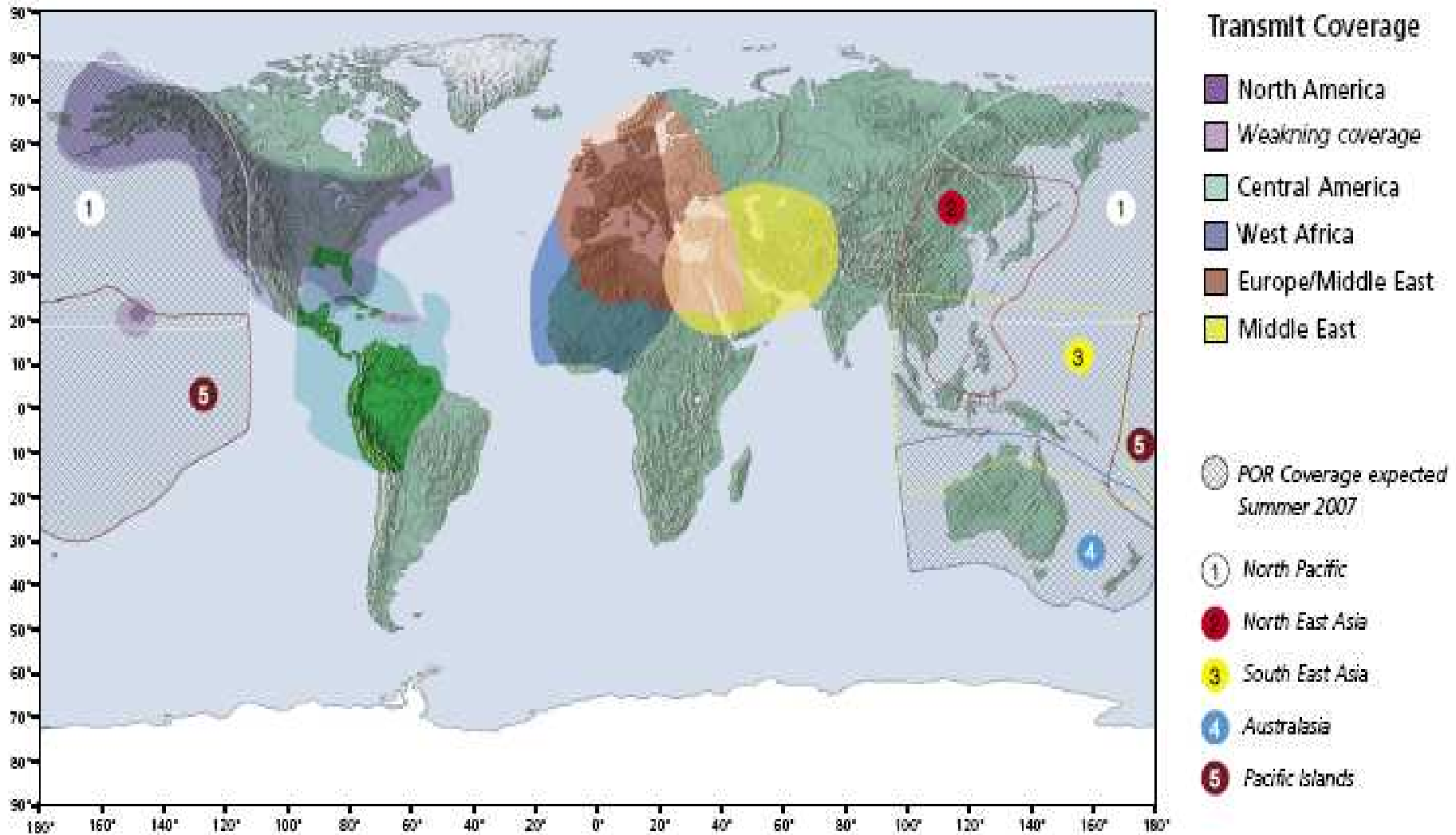


**Thor 2 coverage area**  
TV reception via same antenna

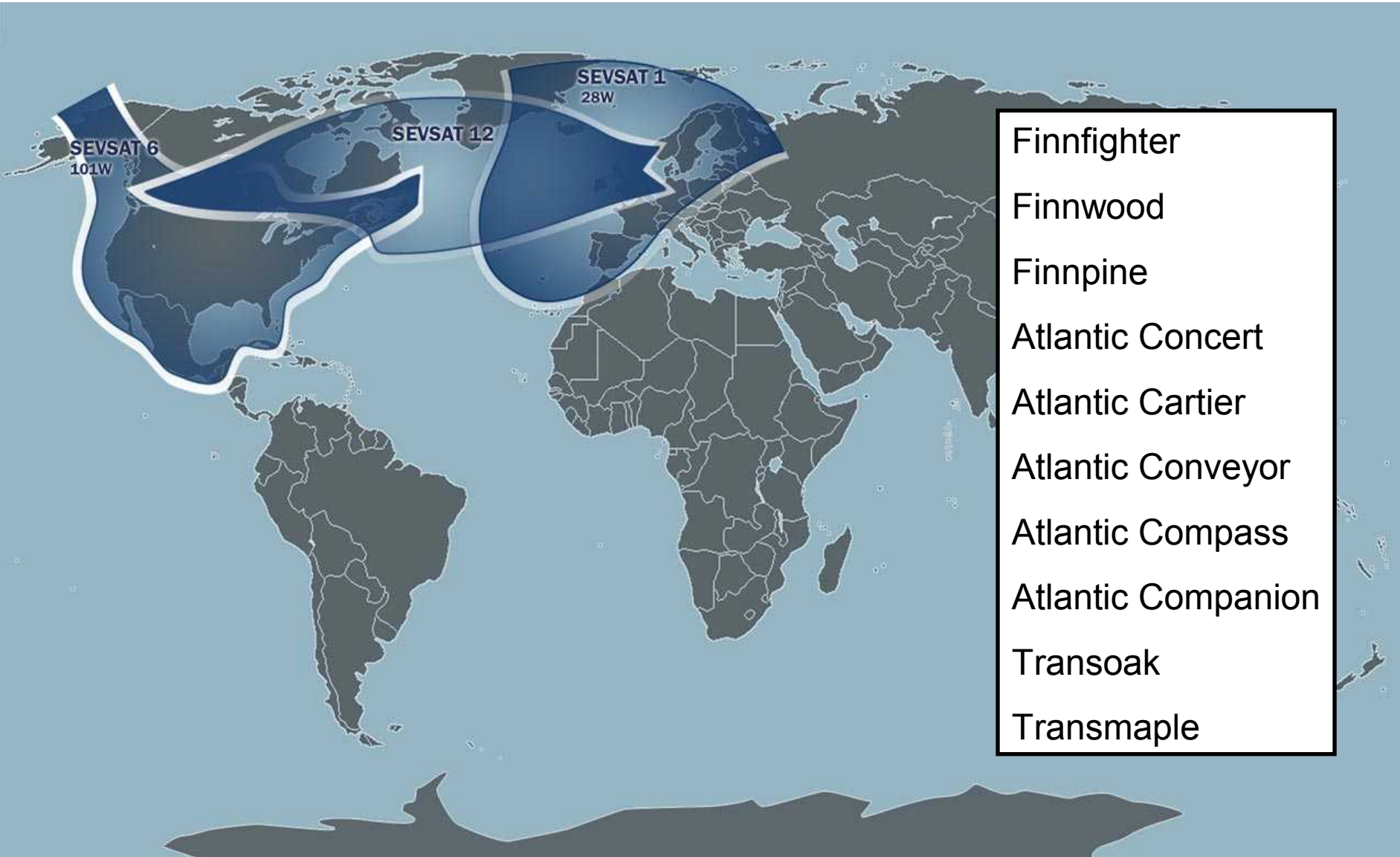


- PCI card for connection of up to 4 analogue phones
- VoIP server
- Web proxy with blacklist
- Mail server
- POP server
- Web server
- DHCP server
- IP filter firewall
- 8 public IP addresses for modem, VoIP server, router and additional use
- 24 ports network switch
- Caching DNS
- UPS

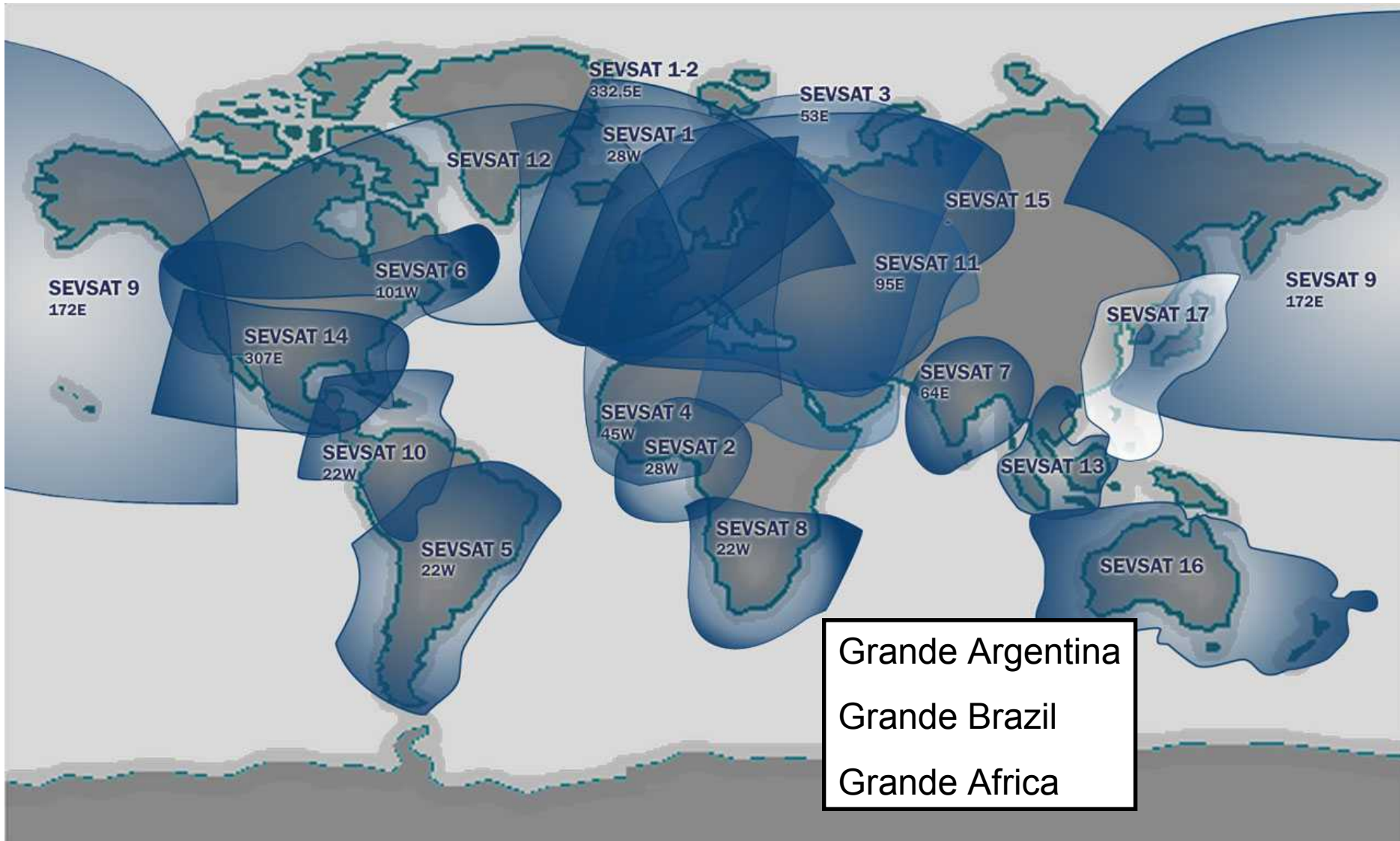
# Ku-coverage from today's suppliers



# Ku-band for Atlantic traffic



# Ku-band for Africa traffic



# **Time schedule Internet onboard**

- **One installation to test Ku-band cross Atlantic**
- **Installation on Fleet in Atlantic area**
- **Some vessels with C-band**
- **Baltic trades with Ku-band, ev Seacall**
- **Finish 2008 / spring 2009**

# KeepUp@Sea-project

- **28 ships**
- **Installation over 7 months**
- **Upgrade to standardised hard ware**
- **Upgrade till standardised soft ware**
- **New server software : KeepUp@Sea**

# KeepUp@Sea

Ominstallation av dator ombord

1. Starta datorn

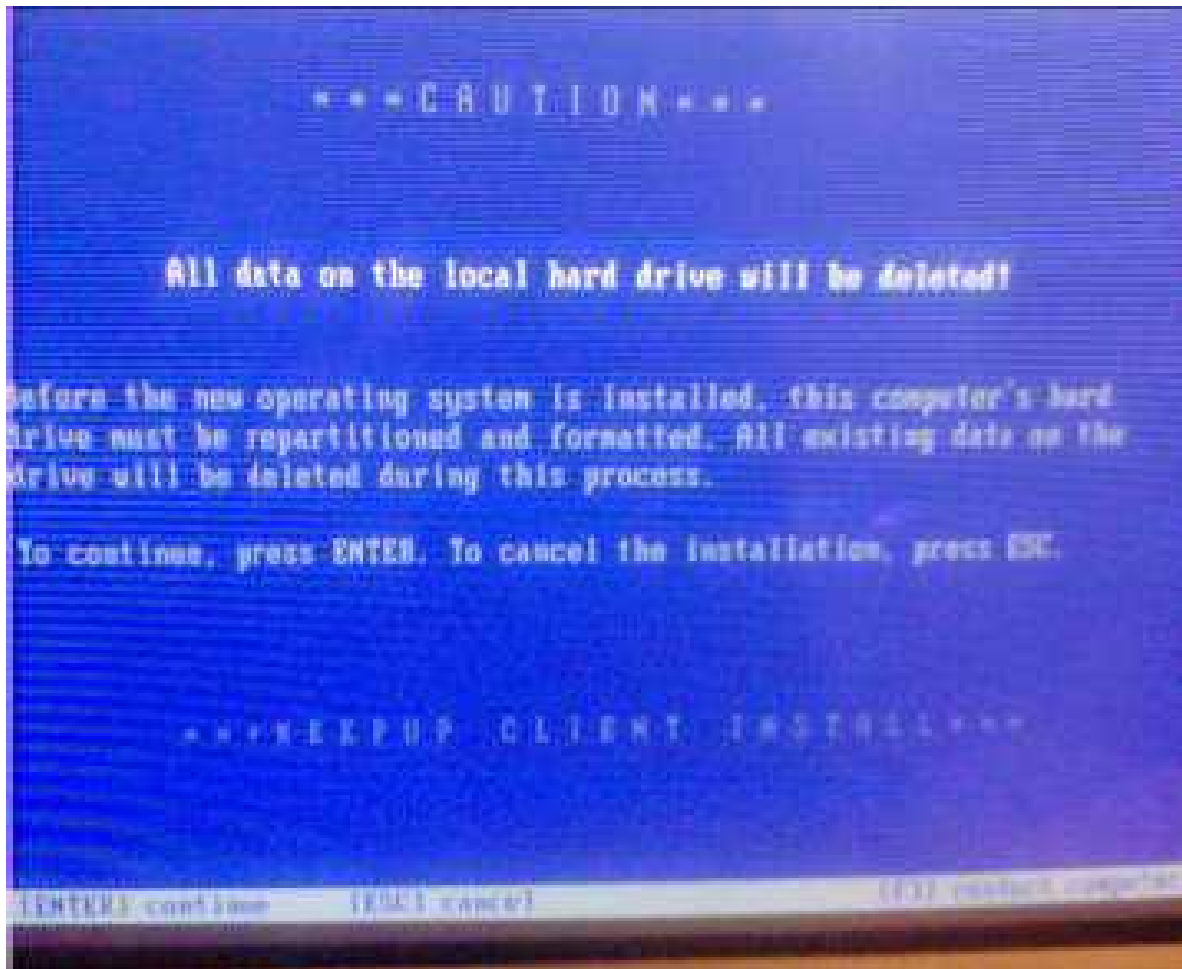
## 2. Press **F12**



# Wait ....



# 3. Press **Enter**



## 4. Press **Enter**







# **TRANSATLANTIC**





SEVSAT

www.shipequip.no

# Olika segment

- Atlant
- Offshore
- Baltic; Linje, spot, Cementa
- Isgående/Isbrytare
- Bibehållet anställningsavtal



# Looking for the future







# Digital Ship Oslo

11 March 2008

*Peter Kindbom,  
ICT Operation Manager  
Rederi AB Transatlantic*

# Agenda

- Transatlantic ICT
- KeepUp@Sea-project
- VSAT

## Pilot installations, December 2006

- Services performed on 3 vessels, in December 2006.
- We used the opportunity to consolidate application portfolio and standardize hardware

## Fleet rollout, Nov 06 – May 07.

- Roll-out of a complete new operational environment including new hardware on our 28 vessels.
- In a cooperation between our IT&C department, and Palantir's Maritime Technicians this was done in 7 months
- The technicians visited harbors' as: Esbjerg, Sundsvall, Umeå, Malaga, Kemi, Antwerp, Amsterdam, Gothenburg.
- Our main Benefits:
  - Dramatically reduced IT&C operational cost (>> 70%)
  - From paper based maritime operation work-flow to fully digital (electronic) work-flow as part of the change, also in one step, rapidly.

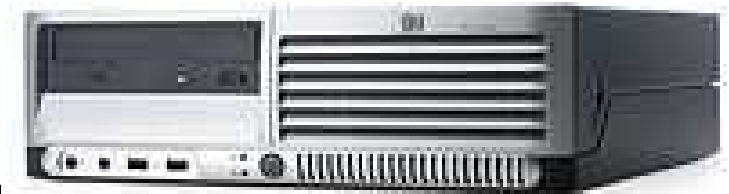
# New hardware

Gammal hårdvara byts ut

Uppgradering till standard

- HP server och PC
- Backupstation

Fördelen är säkrare drift och support. På-platsen-garar



# Ny uppdaterad mjukvara

Windows XP Professional

Microsoft Office 2003

McAfee virussydd

Amos Business (fd Amos M&P)

Oförändrat är Sesal, Amos Mail mfl

Fördelen är säkrare drift och enklare support.



# KeepUp@Sea

*KeepUp@Sea är programvara för:*

- *Enkel installation av PC ombord (standard hård- och mjukvara)*
- *Enkel installation av fartygsserver från "landserver"*
- *Bygger på en väl testad standardinstallation som paketeras och skickas från server till PC ombord*
- *Underlättar uppgradering och installation av ny programvara. Testad och förberedd CD skickas ombord. KeepUp@Sea tar hand om installationen*
- *Automatiska uppdateringar via mail (tex viruskydd)*
- *Enklare underhåll ger högre tillgänglighet i systemet*