

Neste Shipping ICT

Projects practice and philosophy

NESTE OIL

Complementary Roles of Divisions

Components

Growth potential in attractive niche markets.
Good opportunities to gain competitive advantage by specializing.



Oil Retail

Direct deliveries to end-users strengthens margins on refined products.



Oil Refining Core business



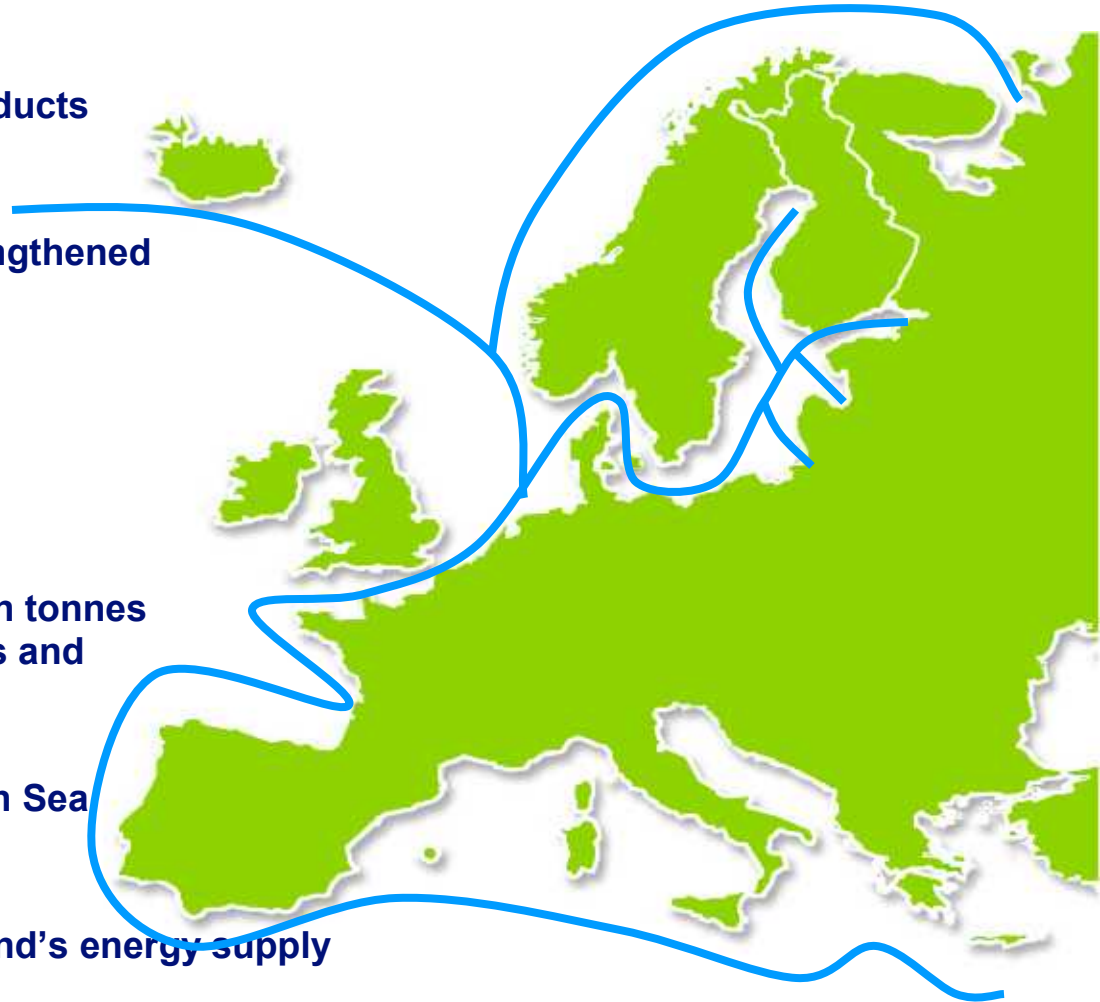
Shipping

The flexible logistics chain in crude supply and product distribution improves margins.



Operational area

- We carry crude oil, petroleum products and some chemicals
- Approx. 30 tankers, most ice-strengthened
- Vessels are double hulled
- Our total cargo capacity is approx. 1.2 million ton
- Neste Shipping carries 38,7 million tonnes of cargo a year with 1.841 voyages and 3.500 port calls in 2007
- Operations in the Baltic Sea, North Sea and on intercontinental routes
- 30 years of taking care of Greenland's energy supply





Neste Shipping Fleet





Crude Carriers

- ★ 
Stena Arctica -05, S,
117000 DWT, 1AS
- 
Proteas -06, GR,
117055 DWT, 1A
- 
Promitheas -06, GR,
117055 DWT, 1A
- 
Propontis -06, GR,
117055 DWT, 1A
- ★ 
Mastera -03, FI,
106208 DWT, 1A S
- ★ 
Tempera -02, FI,
106034 DWT, 1A S

As 05.02.2008

★ Own ICT: 16
Time Charter IT: 20







Product Carriers

- ★ 
Palva -07, FI,
74999 DWT, 1A
- ★ 
Stena Poseidon -07, FI,
74999 DWT, 1A
- 
Apollon -05, BS,
53000 DWT, 1A
- 
Ariadne -05, BS,
53000 DWT, 1A
- ★ 
Futura -04, FI,
25084 DWT, 1A S
- ★ 
Neste -05, FI,
25080 DWT, 1A S
- ★ 
Jurmo -04, FI,
25049 DWT, 1A S
- ★ 
Purha -03, FI,
25000 DWT, 1A S
- 
Sidsel Knutsen -93, NIS,
22625 DWT, 1A




Product Carriers

- 
Turid Knutsen -93, NIS,
22617 DWT, 1A
- 
Ek-River -94, S,
17259 DWT, 1A
- 
Sten Nordic -06, NIS,
16613 DWT, 1A
- 
Sten Baltic -05, NIS,
16613 DWT, 1A
- 
Sten Aurora -07, NIS,
16600 DWT, 1A
- 
Sten Hidra -07, NIS,
16600 dwt, 1A
- 
Hilda Knutsen, -89, NIS,
14910 DWT, 1A
- 
Torill Knutsen, -90, NIS,
14910 DWT 1A
- 
Tärnhav -02, S,
14796 DWT, 1A
- ★ 
Kiisla -04, FI,
14750 DWT, 1A S

Product Carriers

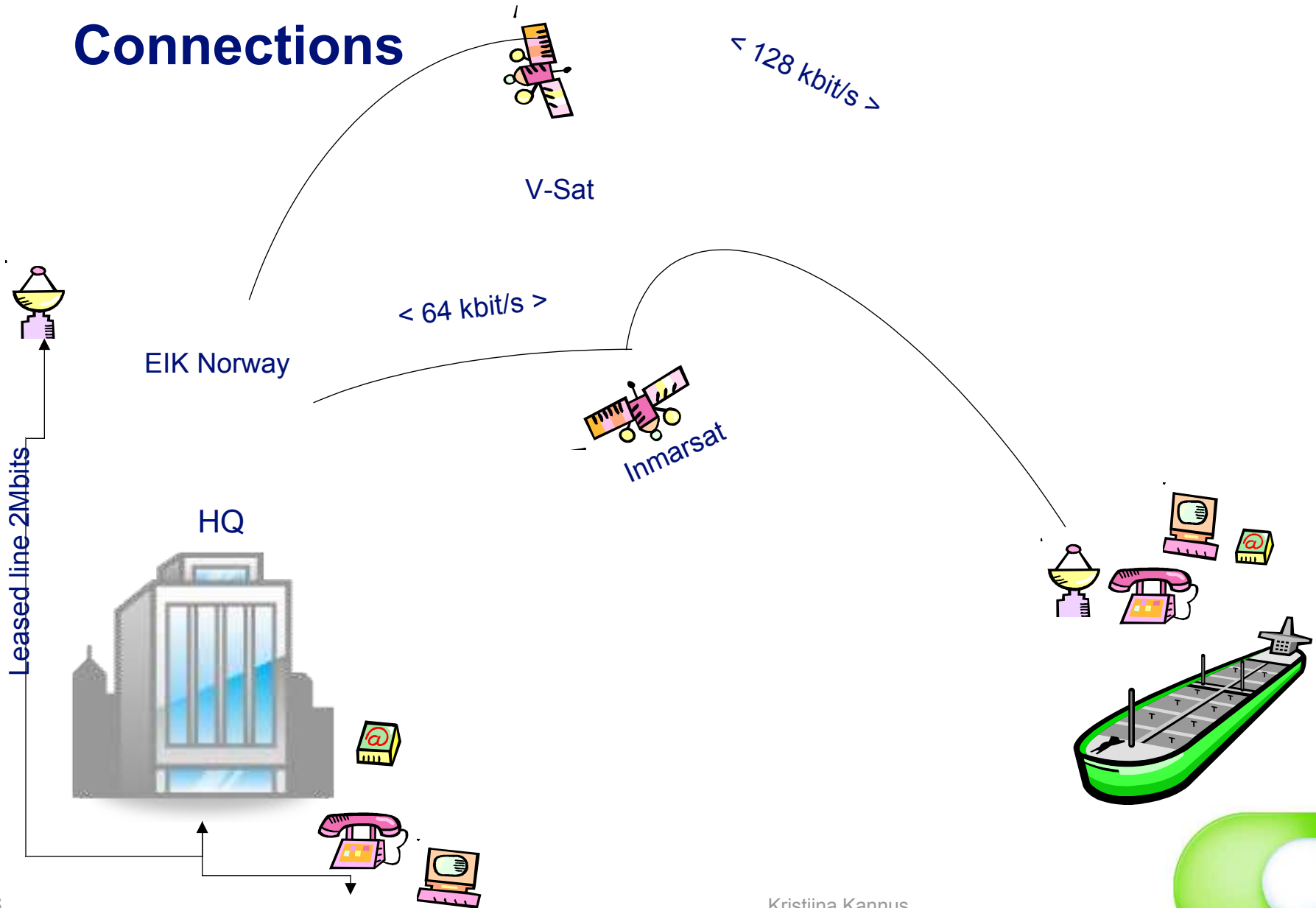
- ★ 
Suula -05, FI,
14665 DWT, 1A S
- 
Astoria -99, S,
12712 DWT, 1A
- 
Astina -06, S,
11283 DWT, 1A
- 
Scorpius -06, S,
11249 DWT, 1A
- 
Tärndal -98, NIS,
8300 DWT, 1A S
- 
Amanda -05, PT,
7000 DWT, 1A

Pushers, Barges, Tugs

- ★ 
Bitpro 2 / Aulis -90, FI,
4088 DWT, 1A
- ★ 
Bitpro 1 / Kari -89, FI,
4088 DWT, 1A
- ★ 
Esko -81, FI
- ★ 
Ukko -02, FI, 1A
- ★ 
Ahti -02, FI, 1A



Connections



Neste Shipping ICT fleet environment

Ship HW:

- 2 servers
- 8 WS (common)
- 1 Laptop

Ship (centralized) SW

- Virus protection
- Spam control
- Proxy to internet

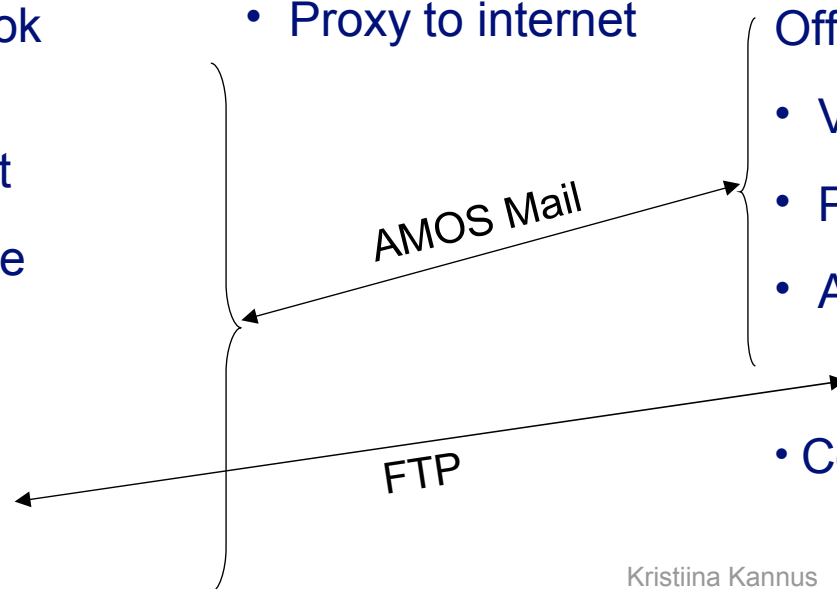


Ship (own) SW:

- Amos Mail (Outlook client)
- Payroll input client
- Napa Performance
- Napa Onboard
- Amos BS
 - Maintenance
 - Other functions

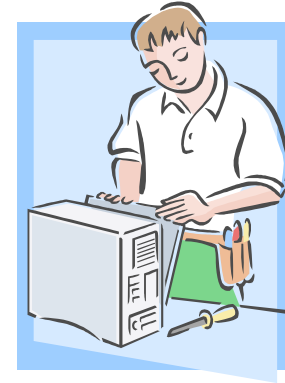
Office SW:

- Veson Imos (ERP)
- Payroll (Sea personnel)
- Amos BS
 - Maintenance
 - Common Office Tools



Ship ICT team and tasks

- Employee count 5
- 140 PC
- 27 + 5 Servers
- 320 e-mail clients
- Network, Routers
- Communications V-Sat, Inmarsat, Radio Equipments, Phones
- Full life cycle service
 - Purchase, Licensing, Updates, Corrections
 - HW repair, Renewing, Disposal, Recycling
- 24 / 7 support
- PEBCAK



ICT challenges in future

- Ship Intranet 2008-2009
- Own PC / Laptop to every seaman (about 2010?)
- All construction drawings in digital form
- Vessel database “Vessel DW”
 - All information typed only once,
 - Automatic sensor and location & speed collection,
 - Monitoring, recording...
 - All prints and interfaces from (or to) DB
- Ultimate question:
How to divide the work between Ship and shore?
Many possible answers...



Questions?

