Swedish Ice Fleet

**TransAtlantic**
Vidar Viking, Balder Viking, Tor Viking, Loke Viking, Njord Viking, Trans Bering, Trans Barents

**SMA fleet**
Oden, Ymer, Atle, Frej, Ale

Swedish Polar Research Secretariat
Swedish Polar Science program

SMA
Swedish Maritime Administration
Owner: Oden, Ymer, Atle, Frej, Ale
Icebreaking in the Baltic

TransAtlantic
Operator TransAtlantic fleet
Operator SMA fleet
Concept:

- TransAtlantic is currently negotiating with shipyards for four Polar Class icebreaking offshore vessels.
- Vessels are ”State of the Art” in both Icebreaking and Offshore.
- TransAtlantic could order 1-2 extra units that could be put on Bare-Boat hire, say for 5-10 years.
- Long-term USA will build its own tonnage – but short time this can fill gap.
Proven Technology:

1989: ODEN

2000: TOR VIKING

2013: TRANS ARCTIC CLASS
"Trans Arctic" Class:

LOA 113 m
Beam 25 m – 27 m with reamers
Draft 10 m ice – 8.3 m offshore
24 MW for propulsion
Ice-breaker PC 1
320 mt bollard pull
500 mt winch – stern roller
1,000 m2 deck area
2 x moonpool
DP II
Redundant propulsion
Clean design
90 person capacity
Trans Arctic Class:

- 500 mt winch - heave compensated
- 1000+ m² deck
- 320 mt bollard pull
- DP II
- Safe deck
- 2 x Moonpool (option)
  - 7.2 x 7.2 m
  - 2.5 x 2.5 m
- A-frame (option)
- Large crane (option)
- Helideck
Trans Arctic Class:

- Direct drive = lower losses = lower emissions
- Good Offshore Sea-keeping 12 s. rolling period – before use of active healing systems.
- Direct shaft drive with fly-wheels
- CP Propellers in nozzles
- Large high-lift rudders
- DP II Tunnel thrusters + Retractable Thruster
Sum-up:

TransAtlantic

• Is willing to finance and build a vessel for Bare-Boat Charter.
• Is in negotiations with shipyards
• Is willing to make a presentation of the concept in the near future
• Is looking for feedback from you

Thank You.