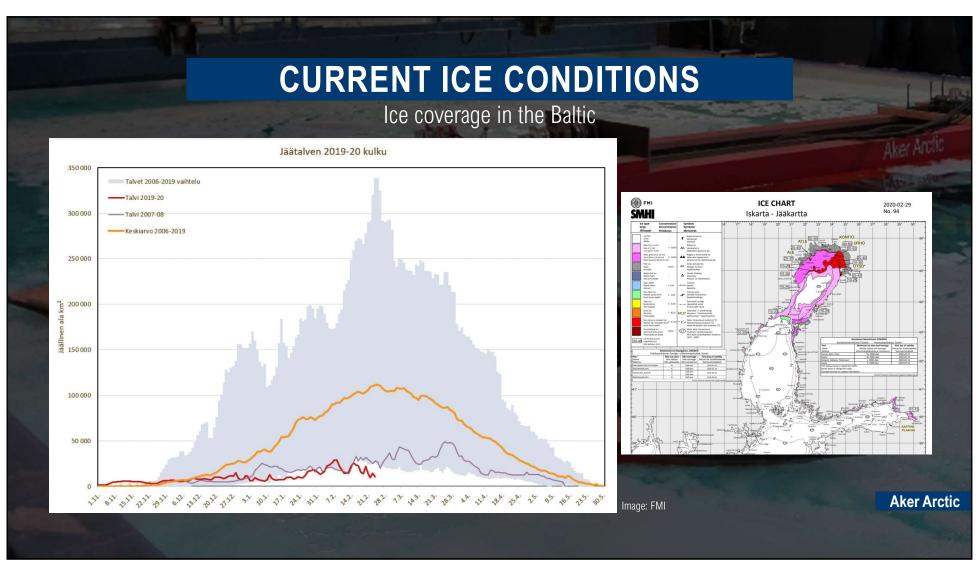
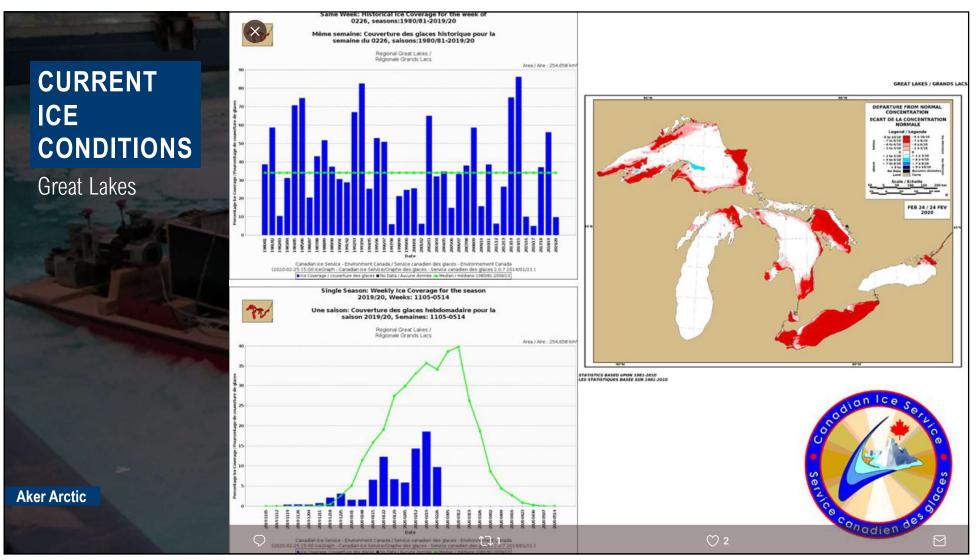


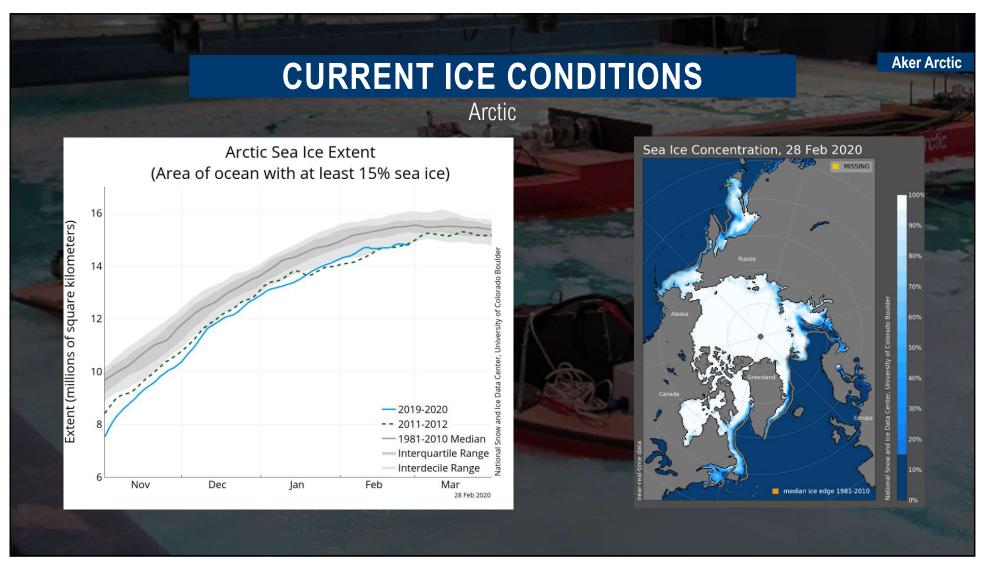
AKER ARCTIC TECHNOLOGY

Arctic Passion Seminar 2020

Reko-Antti Suojanen CEO, Managing Director



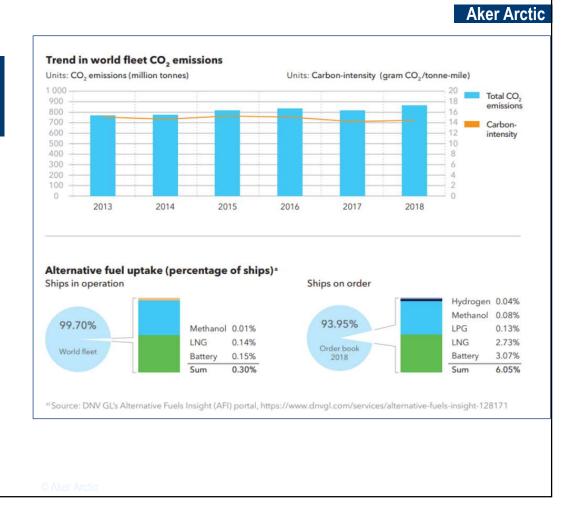


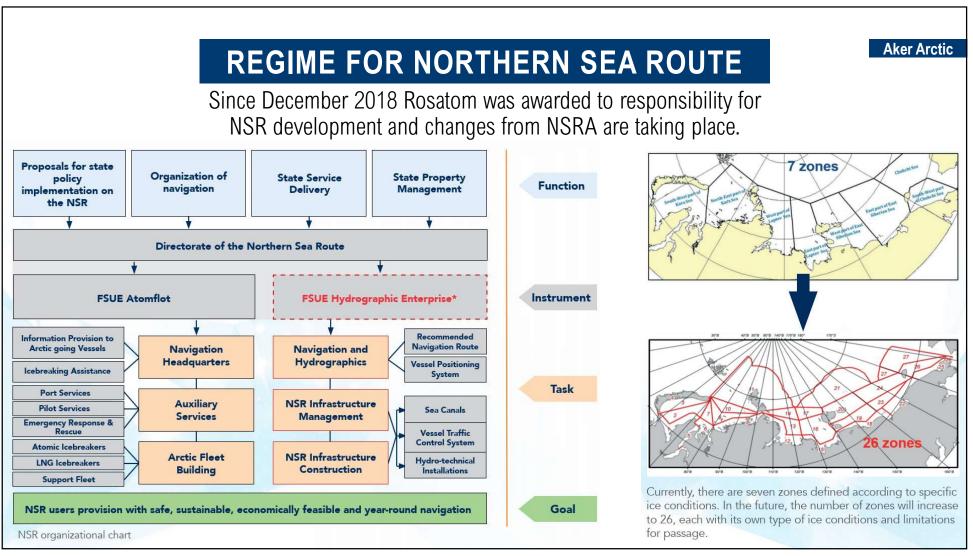


IMO TARGETS AND REGULATIONS

Strategy on reduction of GHG emissions from ships

- Reduce CO2 emissions 40% by 2030
- Reduce CO2 emissions 70% by 2050
- Reduce total GHG emissions by at least 50% by 2050
- MARPOL Annex VI states 0.50% sulphur limit for fuel oil became effective on 1 January 2020.

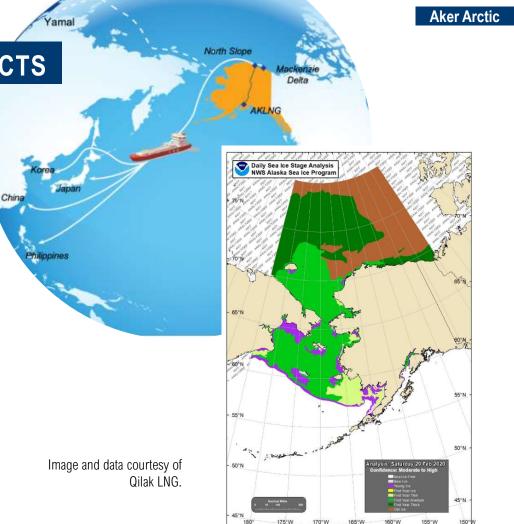






Qilak LNG

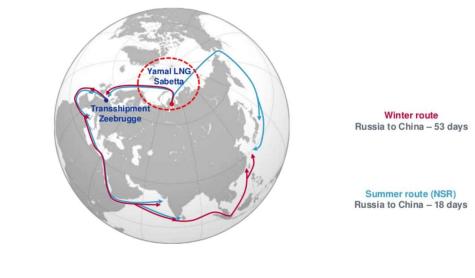
- LNG liquefaction and export from the North Slope of Alaska.
- Anticipated production 4 mtpa at first stage.
- Project calls for liquefaction facilities and LNG Carriers for the arctic conditions.
- Qilak LNG and Exxon-Mobil Alaska Production Inc. signed MOU for the gas supply to Qilak LNG.
- 2020 extensive feasibility study is carried out.



ARCTIC DEVELOPMENT PROJECTS

Yamal LNG and Arctic LNG2

- LNG export from Sabetta is in full production
- 15 Arc7 LNG Carriers built by DSME are in operation
- Operators are SCF, Teekay, MOL, Dynagas
- New project Arctic LNG2 is under construction

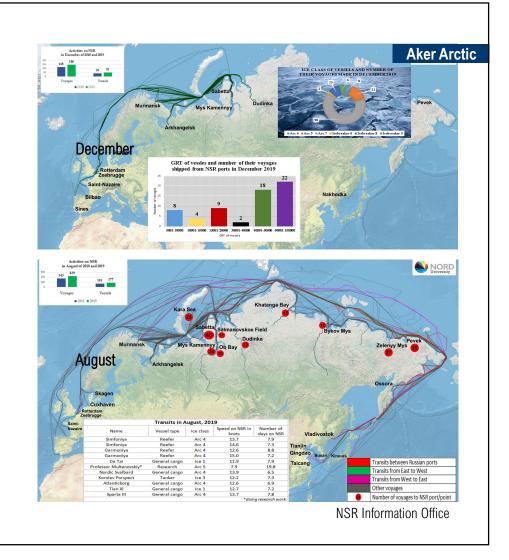


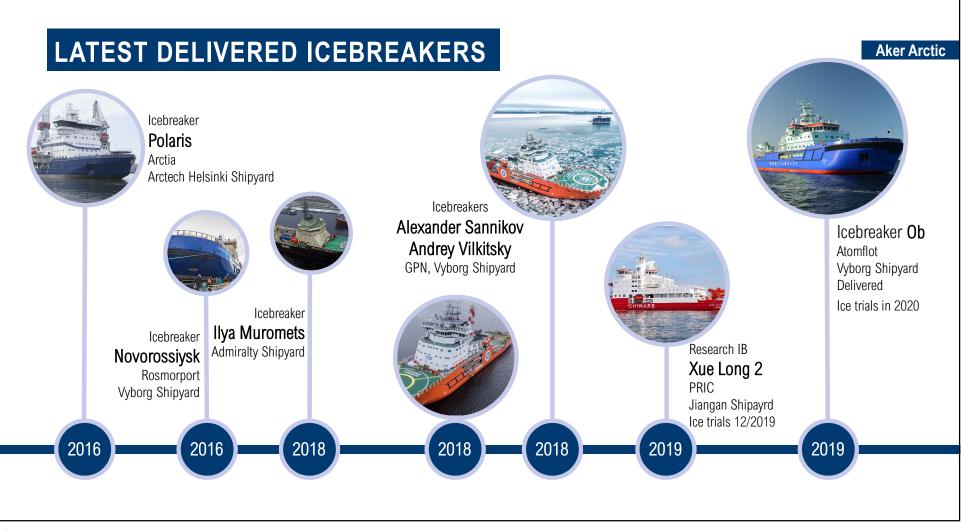


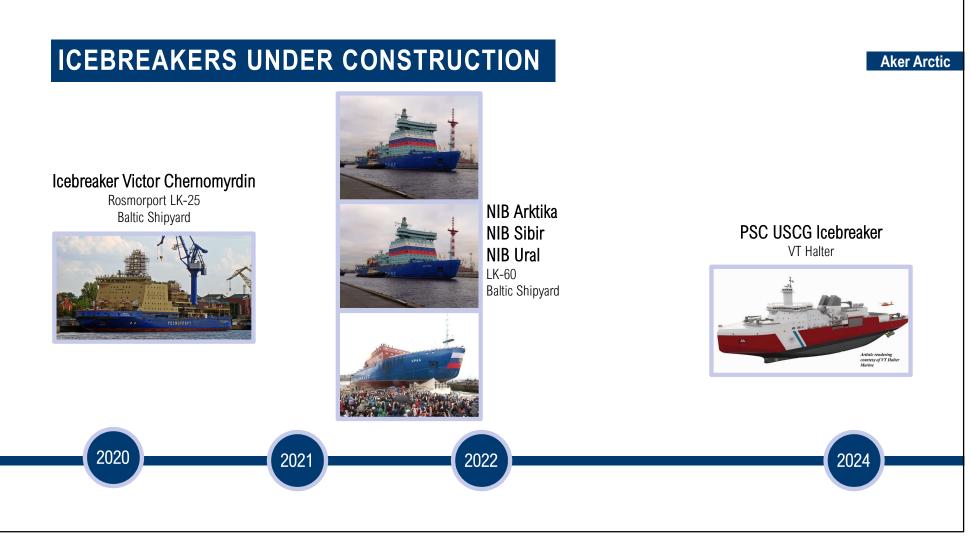
ARCTIC DEVELOPMENT PROJECTS

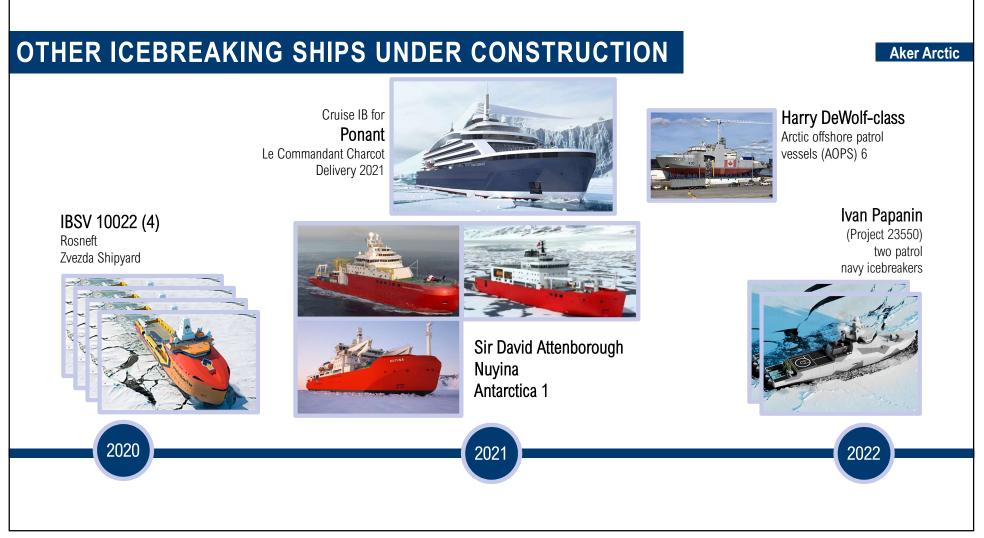
- Gasprom Neft Ob-Bay oil exports
- Norilsk Nickel export
- Baffinland Iron Ore project (6 mtpa)

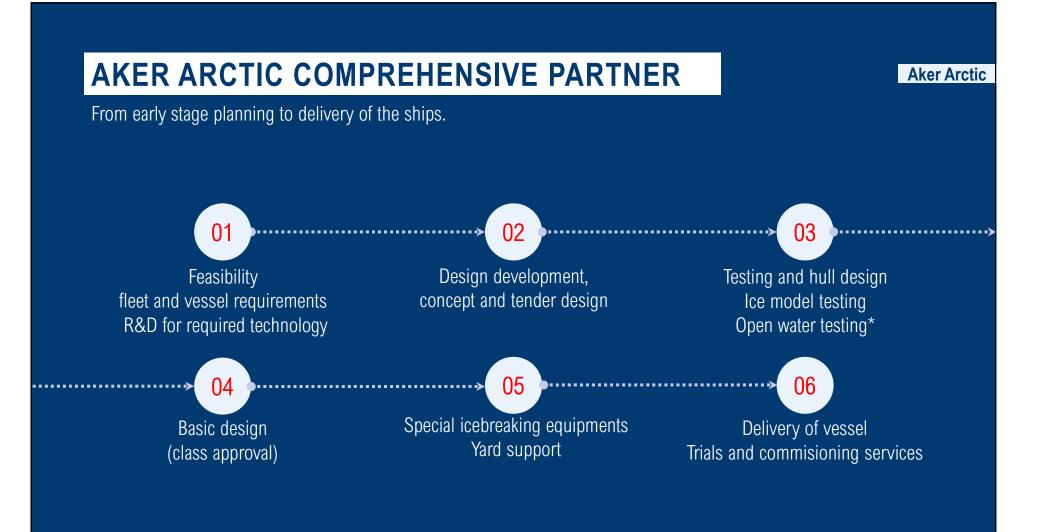














Aker Arctic

PROPULSION LINE DESIGN AND DELIVERY FOR SQUADRON 2020

Project for new Finnish Navy corvettes.

RMC was contracted 2019 to built 4 vessels.

Aker Arctic's role

- Development of hull and propulsion
- Complete propulsion line design and delivery
- Sets for all Finnish Navy corvettes
- Installation supervision and commissioning



Photo courtesy of Finnish Defence Forces

LNG FUELLED ICEBREAKERS

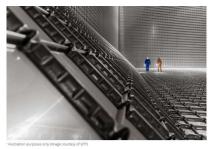
LNG fuel is new one of the option for heavy icebreakers Supplementing also nuclear powered fleet of icebreakers

- First LNG icebreaker Polaris 400 m3 ٠
- Ponant Cruiser Icebreaker 4500 m3 (GTT) ٠
- Aker ARC 123 ٠
- Aker ARC 143 ٠

- 8 000 m3 (type C) 10 000 m3 (GTT)

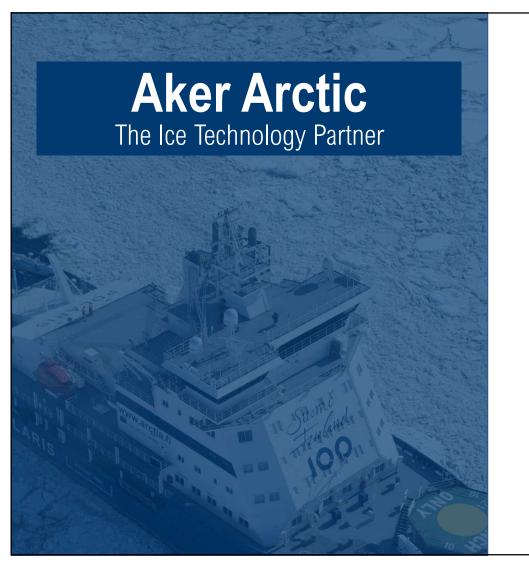
Aker Arctic

France's GTT to supply LNG tanks for Ponant Icebreaker Le Commandant Charcot









thank you

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