

ARCTIC SHIPPING FORUM
NORTH AMERICA



GREENLAND
PILOT SERVICE

RULES AND REGULATIONS IN GREENLAND

According to Greenland Pilot Act No. 1698 of 11th December 2015, it is mandatory for all passenger ships with more than 250 passengers onboard, to use a pilot when sailing within the Greenlandic National waters.

According to Order no. 1697 of 11 December 2015 "Order for Greenland on the safe navigation, etc. of ships" it is mandatory for all ships to have at least one person available on board with the necessary local knowledge of the waters to be navigated. This person shall hold the qualifications that would entitle him to navigate the ship concerned or be trained to and have several years' experience navigating ships of similar size.


GREENLAND PILOT SERVICE

Greenland Pilot Service

- Established 2016 in Nuuk, Greenland
- Start up by DanPilot, the danish state pilotage company, and Jakob Nordstrøm.
- DanPilot still majority owner
- Jakob Nordstrøm is CEO and partner

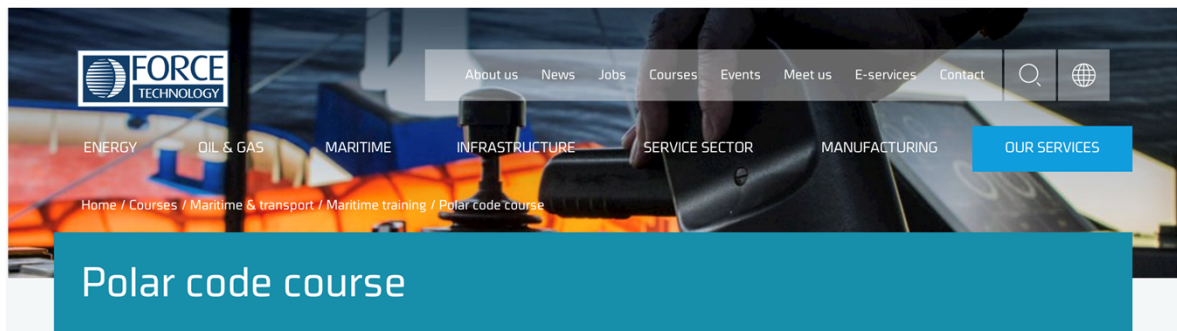


Our pilots

- Required background:
 - Multi-year Greenland experience
 - Ex Masters or Chief Officers
- Pilotage training
- Job training with other pilots
- About 50% of the pilots also act as pilots in Denmark, during the winter



- Requirements for training from the DMA before examination
 - Bridge resource management and emergency training for pilots
 - Ship maneuvering for pilots
 - Maritime/pilotage law for pilots
 - Arctic course => Polar Code Course Advanced
 - Personal safety course for pilots
- Based on IMO resolution A.960



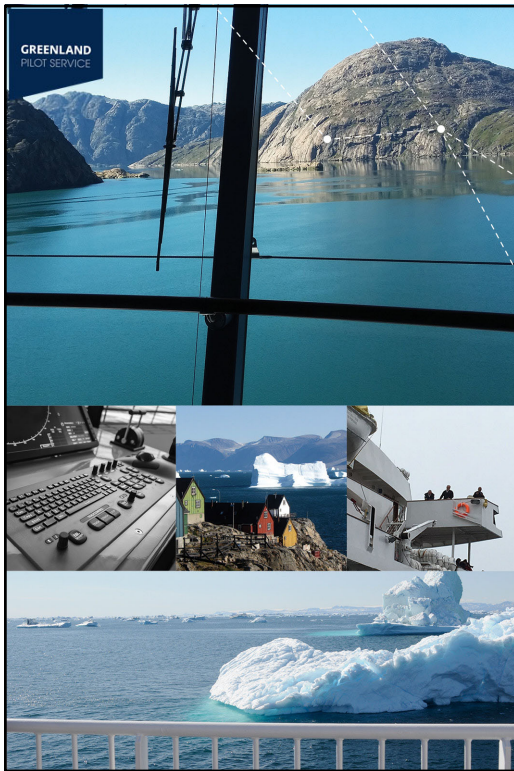
A STRONG COOPERATION

The course is developed in close cooperation with Greenland Pilot Service (GPS) as their knowhow and experience from polar areas are unique.

That is also why the experienced pilots from GPS act as instructors during the course.

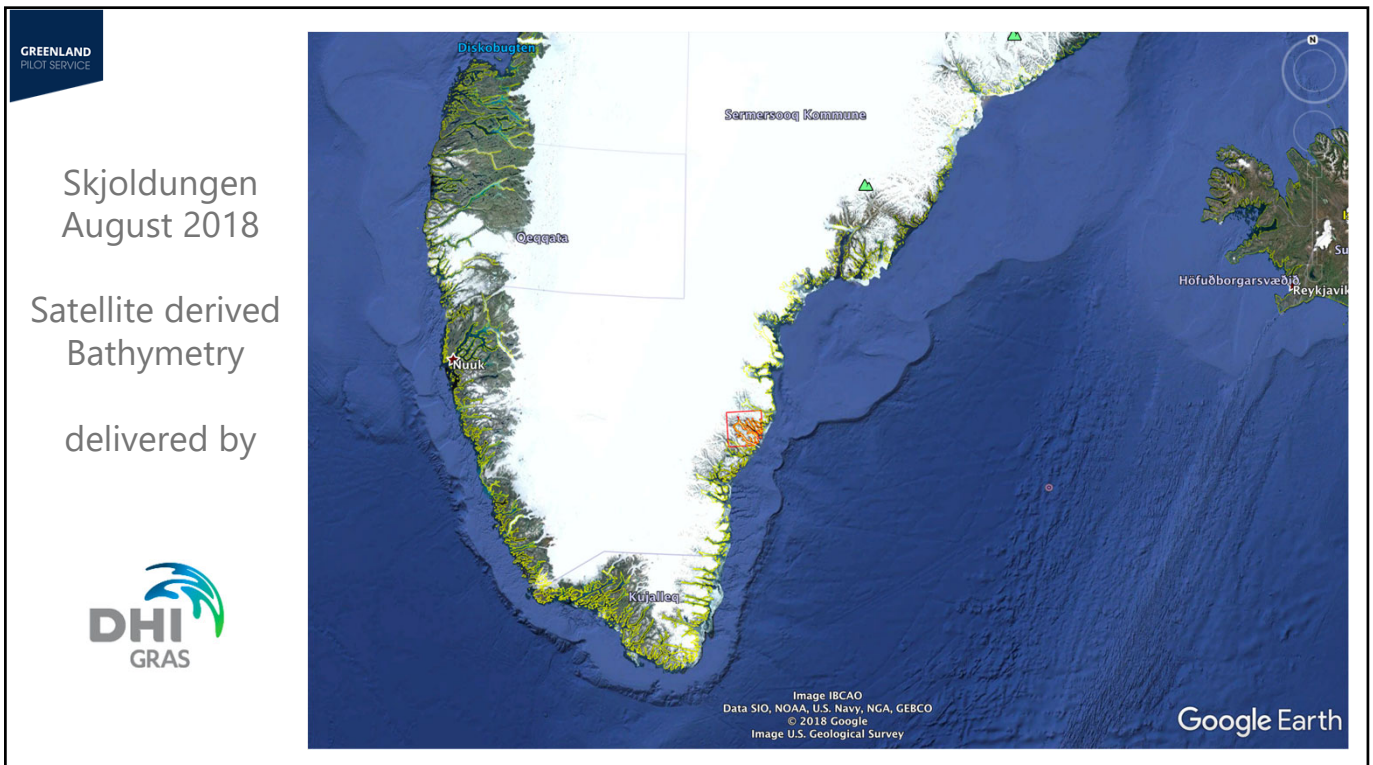
FORCE Technology

- Accredited training center by
 - Danish Maritime Authorities
 - Nautical Institute
 - DNV-GL



Polar code course - our vision

- Developed by GPS - in close corporation with FORCE Technology.
- Based on the experience of our pilots
- Foundation in a risk management approach
- NOT based on ice navigation simulation
- Simulator models of specific areas in Greenland
- Five day combined basic/advanced course
- Offering the whole package to our clients
- Approval by the DMA

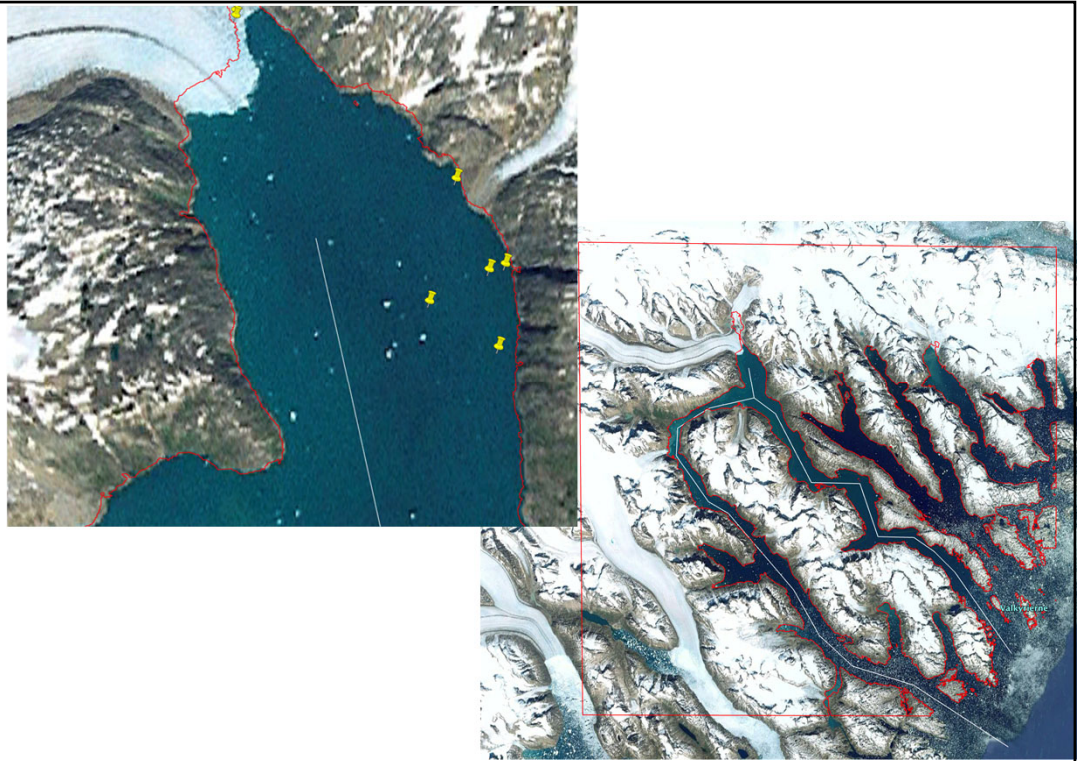


GREENLAND
PILOT SERVICE

Skjoldungen
August 2018

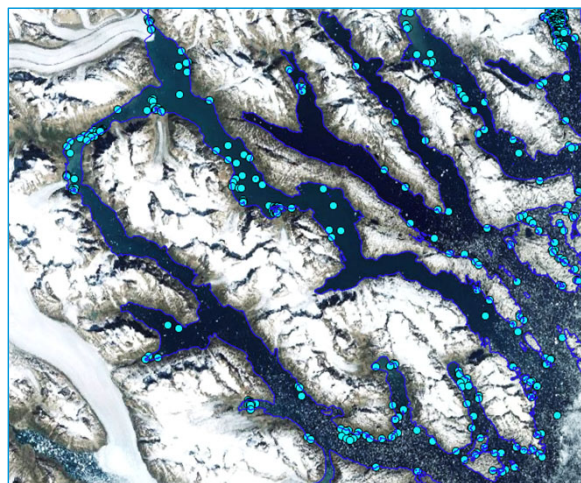
Satellite derived
Bathymetry

delivered by

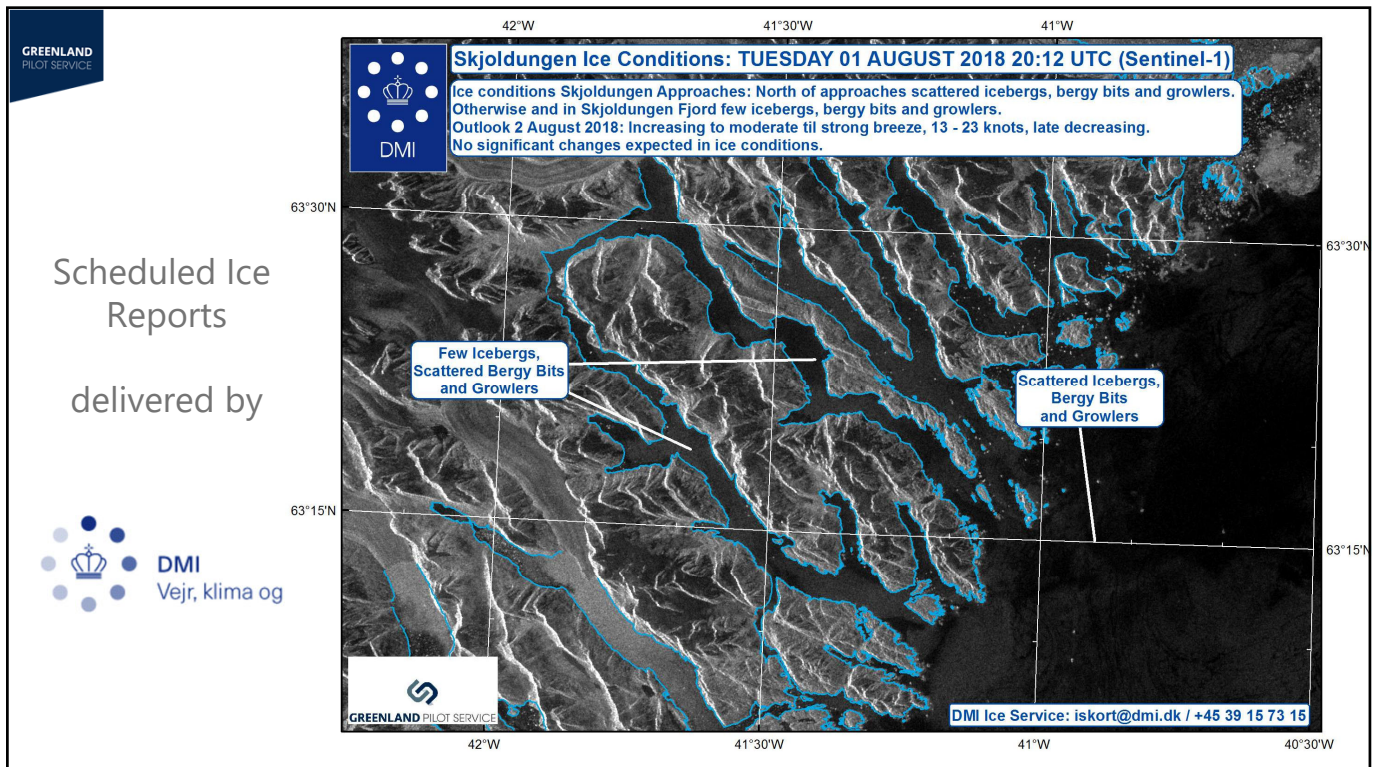
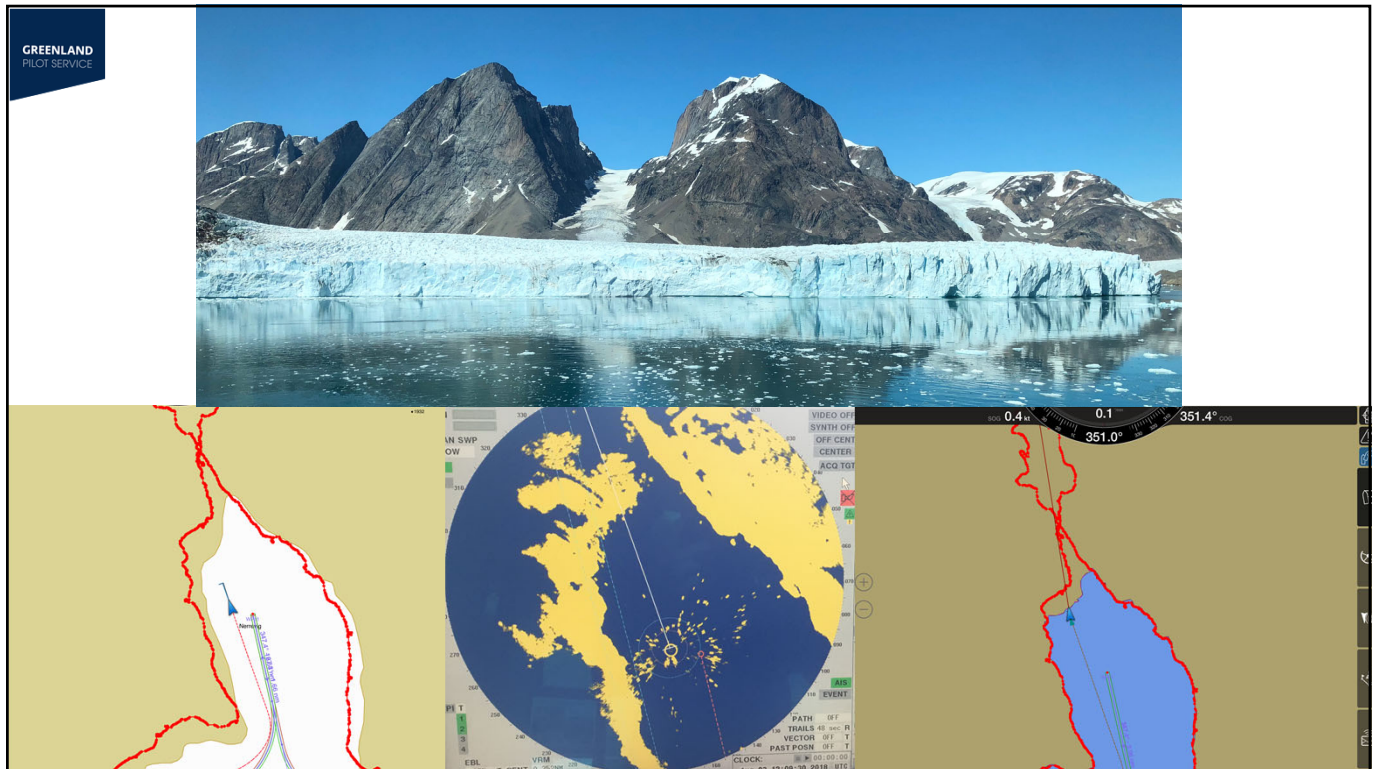
GREENLAND
PILOT SERVICE

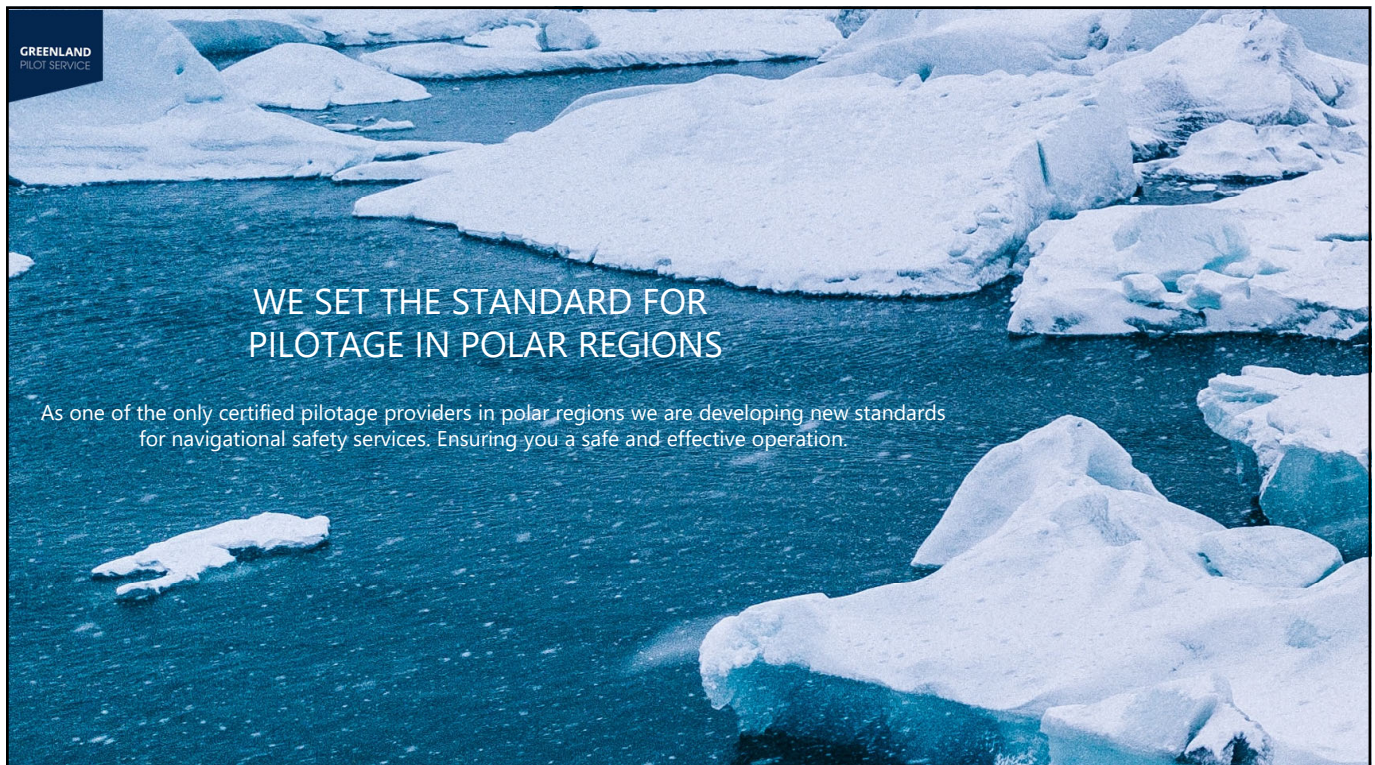
Accuracy and specifications

- Skjoldungen (500 km²)
- Delivery time: 2-3 weeks
- Mapping scale: 1:10.000
- Accuracy: site specific – submerged reefs validated down to 8m depth
- Confidence of detecting hazards: above 90%



Example: 479 small submerged hazards mapped in East Greenland



An aerial photograph of a polar region, likely Greenland, showing a vast expanse of dark blue water interspersed with numerous large, white ice floes. The ice floes vary in size and shape, some appearing as long, thin strips and others as more substantial, irregular blocks. The water's surface is textured with small ripples and patches of ice. In the upper left corner, there is a small, dark rectangular logo with white text. Centered in the middle of the image is a large, white, sans-serif text block. Below this, in the lower left quadrant, is a smaller line of white text. The overall scene conveys a sense of isolation and the harsh, cold environment of the Arctic or Antarctic regions.

GREENLAND
PILOT SERVICE

WE SET THE STANDARD FOR
PILOTAGE IN POLAR REGIONS

As one of the only certified pilotage providers in polar regions we are developing new standards for navigational safety services. Ensuring you a safe and effective operation.

“ISPO is an accessible industri specific standard, managed by pilots for pilots. ISPO is a voluntary code of best practice providing transparency to shipowners and stakeholders.”

Capt Willem Bentinck,
Chairman ISPO international User Group



International Standard for maritime Pilot
Organizations

IT IS ABOUT YOUR SAFETY

We define our company as a provider of navigational safety services in the harsh polar regions and our strategy is to contribute to a safe development of the cruise industry in polar regions by:

- Embarking certified Arctic pilots onboard the vessels.
- Exploring and making Polar risk assessments of new routes and destinations.
- Drafting itineraries in cooperation with the tour operators.
- 24/7 manned operation center in the capital of Greenland, Nuuk.
- Risk assessment according to daily ice and weather information received from Danish Meteorological Institute.

We offer our own developed and accredited Polar Code Courses with focus on navigation in Arctic and Antarctic, this means:

- Combined basic and advance Polar Code Courses.
- Simulator training of captain and crew in relevant navigational areas - for example Prins Christian Sound in Greenland.
- On request simulator training of captain and crew together with our pilots.



www.gps.gl

Questions?

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