



**Martech Polar**

**Polar Operations - Experience Counts**

IMO Polar Maritime Seminar

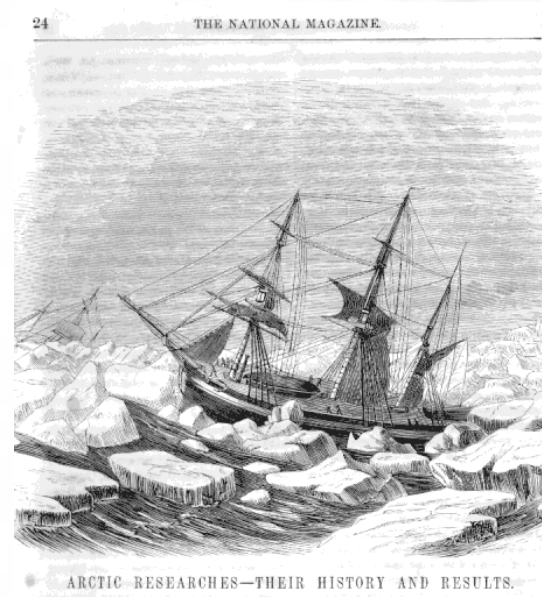
01 Nov 2022

Captain David (Duke) Snider



“The navigation of the Polar seas, which is peculiar, requires in a particular manner, an extensive knowledge of the nature, properties and usual motions of the ice, and it can only be performed to the best advantage by those WHO HAVE A LONG EXPERIENCE with working a ship in icy conditions”

William Scoresby, 1820



Martech Polar

“It takes as long to train an Ice Master as it does a brain surgeon”

Ulf Ryder, Stena Seabulk, 2005



Martech Polar

# Experience Matters

Global footprint – Arctic and Antarctic Operations

STCW Master Mariner

CoP Polar Waters Advanced

Nautical Institute Ice Navigator Level 2

Years of experience in ice



**Martech Polar**

# Polar Code and STCW

## Certificate of Proficiency in Polar Waters Training

- No practical in ice experience required, only 30 days in Polar Waters
- No assurance of competence in ice operations
- Very limited simulator "time" is not sufficient to ensure skills and competency levels achieved
- Owners and operators assuming possession of CoP Polar Waters training is a guarantee of ice operations competence. It isn't, it is far short.



# Polar Code and STCW

What have we seen since 2016?

- Not all Polar Water courses are created equal – very wide range of quality and value
- Mariners arriving in Polar waters without CoPs, only training certificates
- Unable to correctly assess real time ice conditions
- Unable to interpret ice charts or imagery
- Unable to correctly apply AIRSS or POLARIS calculations
- PC Ship Categories selected below ice class, ship's officers unaware of the difference



# Experience Matters

Knowing the difference

Knowing HOW to deal with the wildly changeable conditions

Understanding the limitations of ship and crew



Martech Polar

# Polar Code and STCW

How do we address this?

- NI Ice Navigator certification compliments and adds to PC requirements
- Mariners must show time in ice operations
- If regular crew does not have sufficient experience in ice, embark a duly competent Ice Navigator

