

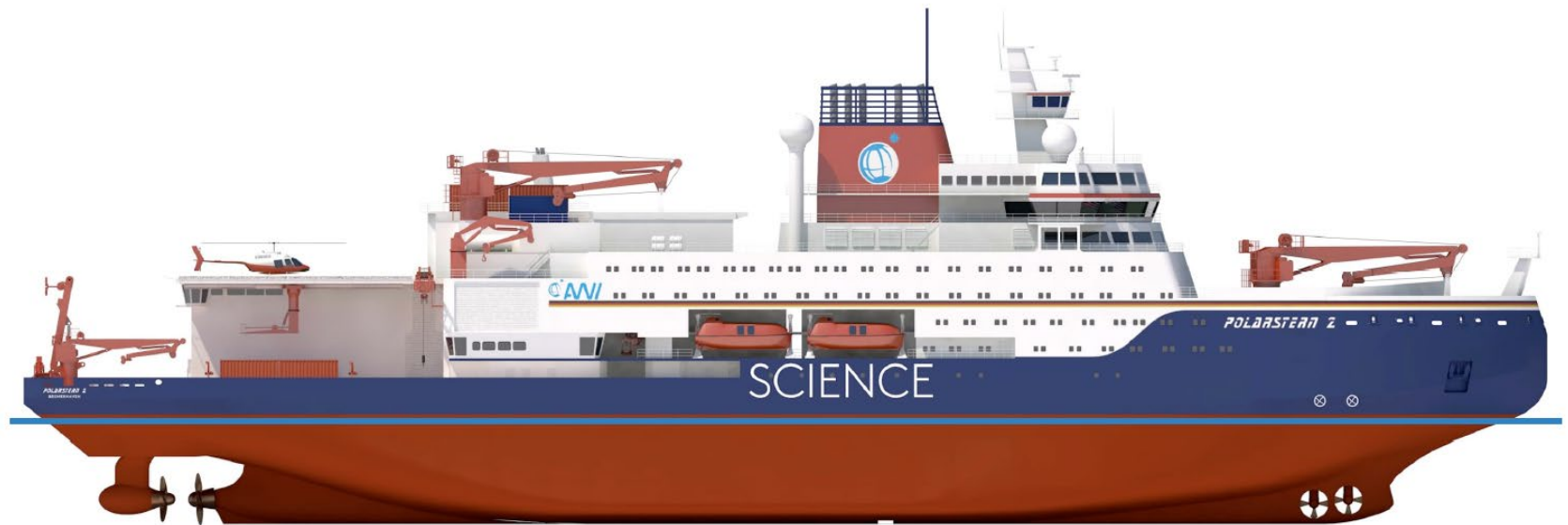


German Arctic Expeditions 2024 - 2025

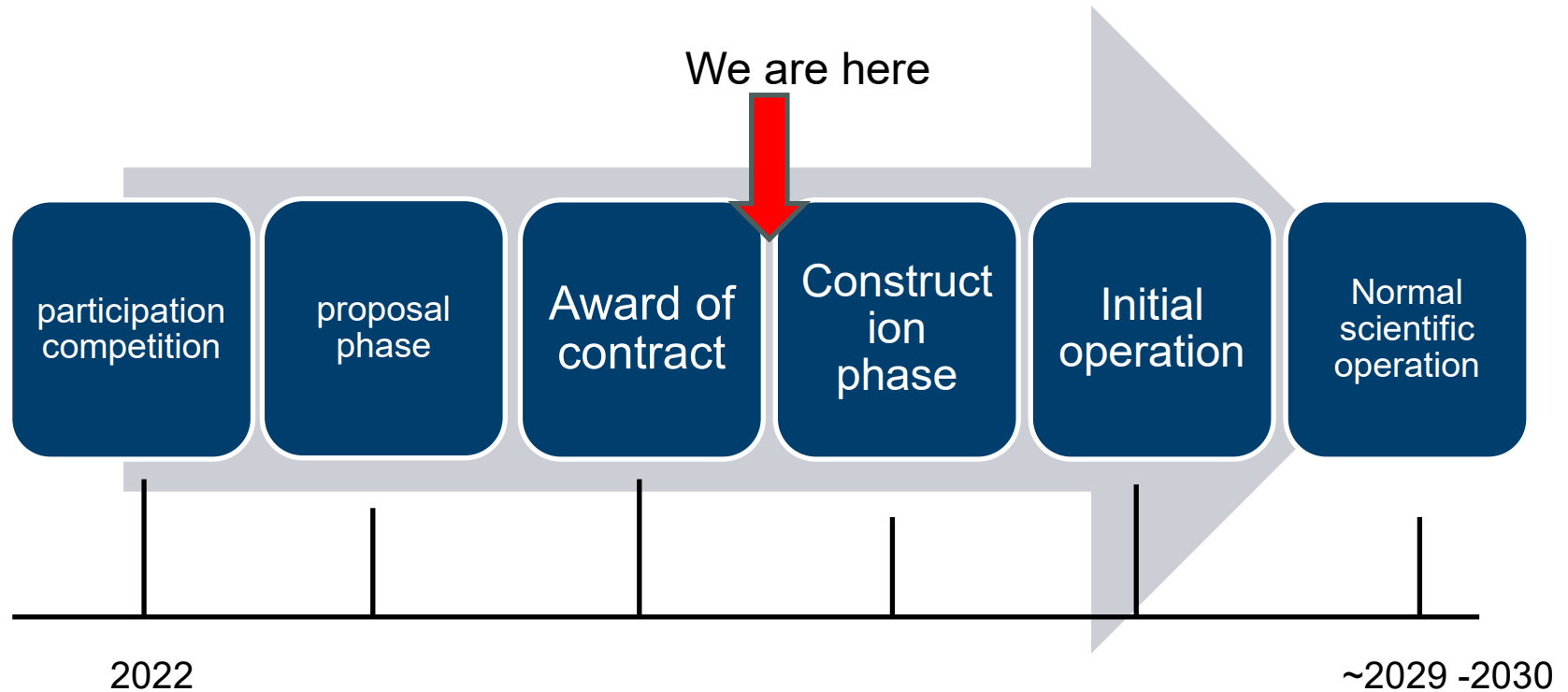
FARO/ASSW, 2025, Boulder

Dirk Mengedoht, Verena Mohaupt (Alfred Wegener Institute, Germany)





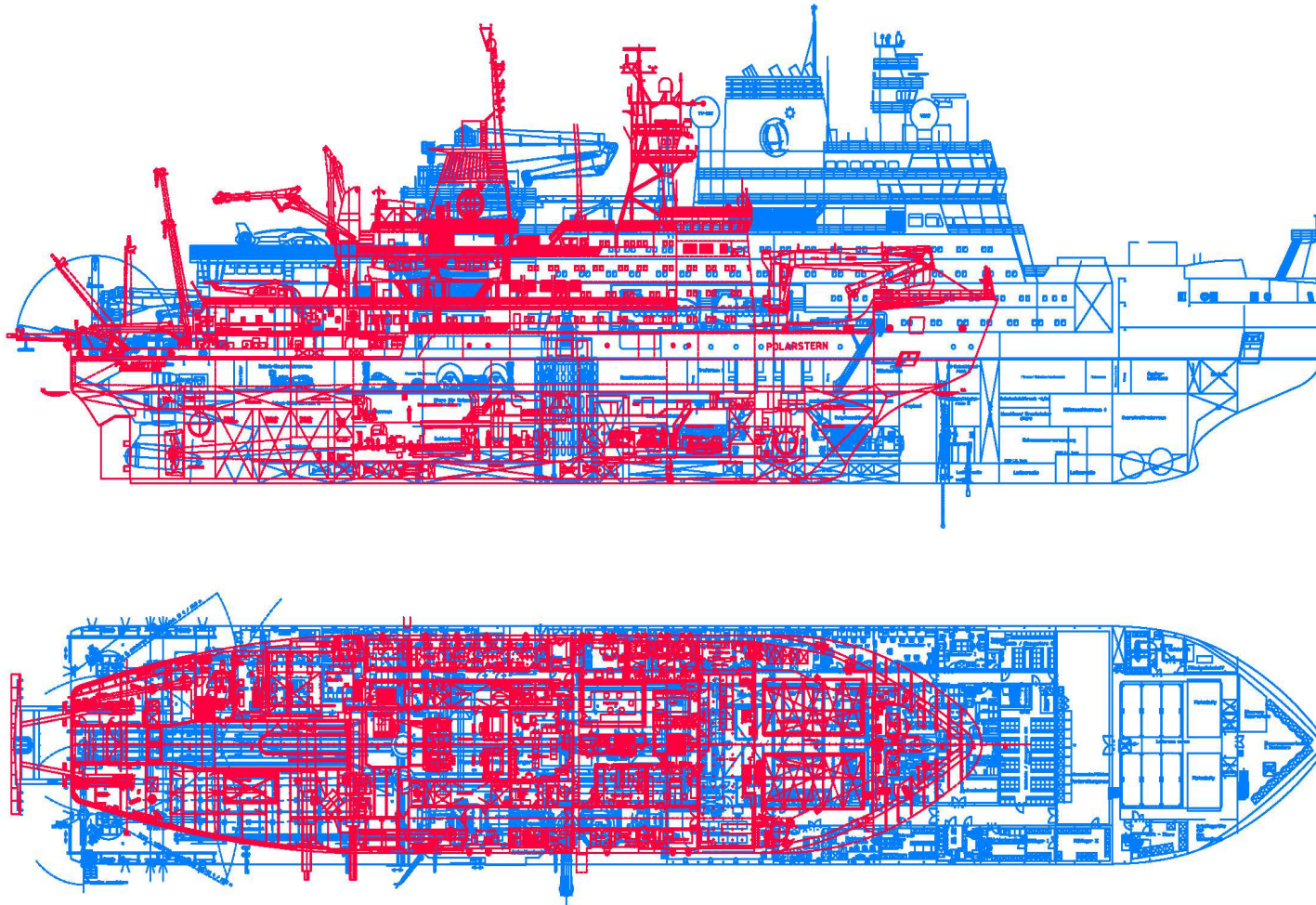
Overview project phases



PS I vs. PS II

Red: Polarstern (Volume: 42.500 m³)

Blue: Polarstern II (Volume: 84.200 m³)



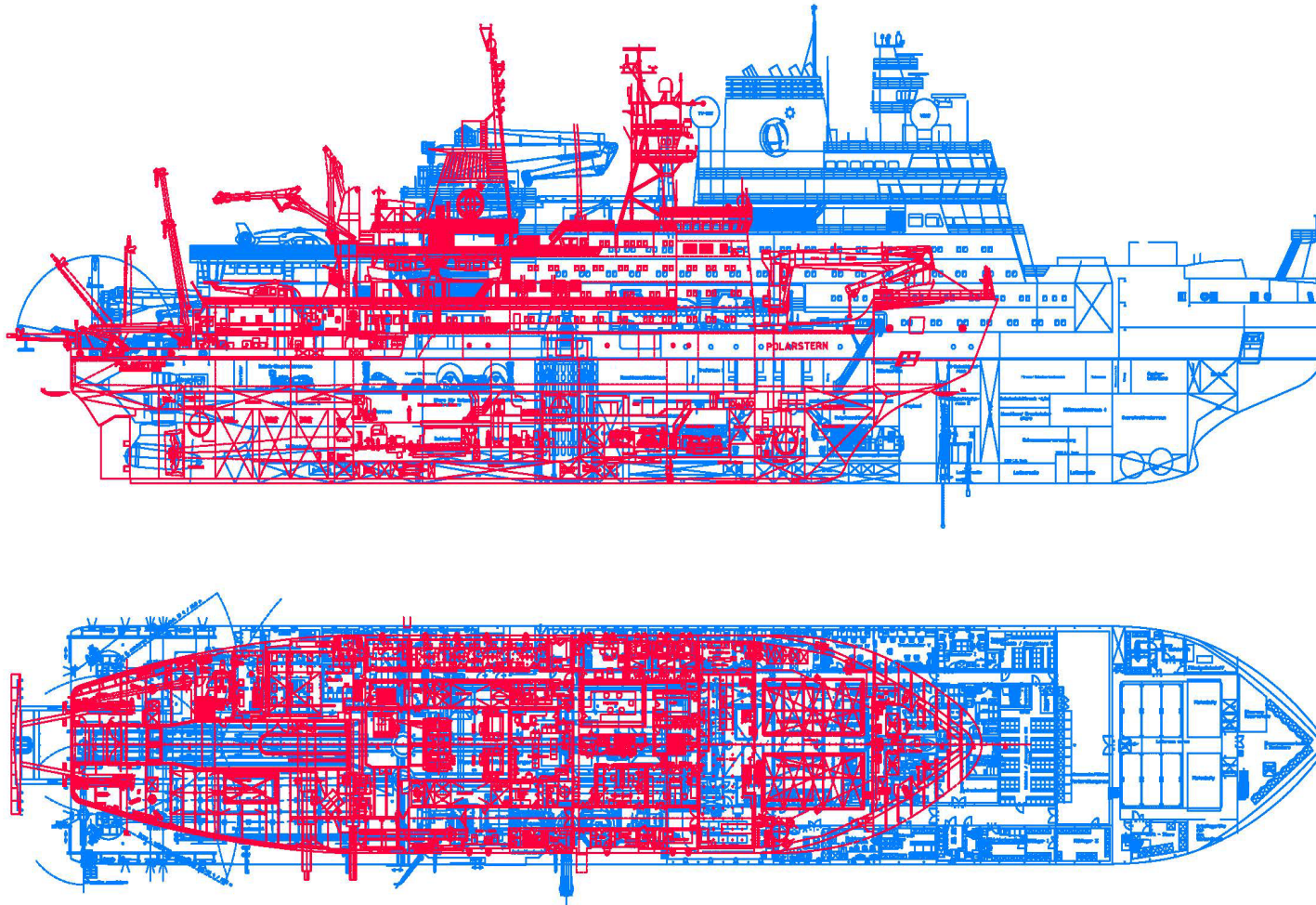
PS II double the size of PSI due to:

- MGO Fuel tanks protected by double hull
- Additional alternative fuel tanks for methanol and large battery package for emission reduced operations
- Approx. double the size of installed power due to ice breaking capability of 1.8 m

PS I vs. PS II

Red: Polarstern (Volume: 42.500 m³)

Blue: Polarstern II (Volume: 84.200 m³)



Profit for the users:

- Increase of the lab area by: **+ ~40 %**
- Increase of the scientific usable area (Main working deck, scientific hangar) : **+ ~70 %**



Research
Infrastructure

RV Uthörn

With
(Bio-) Methanol
virtually
climate-neutral

Research Vessel

Entry into service: 2023

Home port: Helgoland

Main area of operation: Helgoland and German Bight

Length: 35 Meter

Crew: 5 Persons

Work opportunities: 25 Persons from Science and Technical

- Atmosphere Observatory
- Permafrost Observatory
- Under Water Observatory

www.awipev.eu/awipev-observatories

- **Full occupation, many projects related to topics of all four Flagships**

www.awipev.eu/science/projects-in-2025

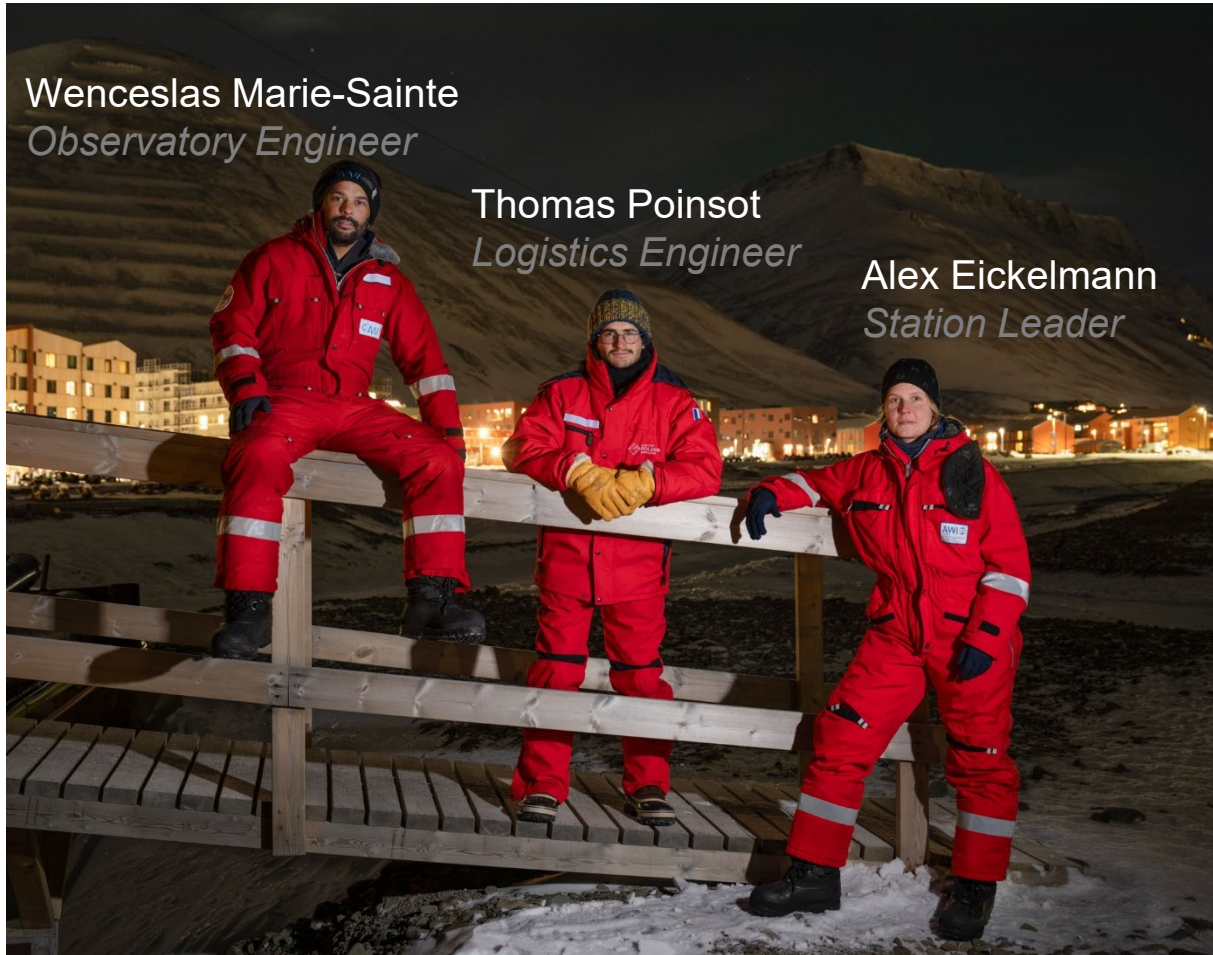


Station Team 2024/25

Wenceslas Marie-Sainte
Observatory Engineer

Thomas Poinot
Logistics Engineer

Alex Eickelmann
Station Leader



Station Team 2025/26

Louis Grauwin
Observatory Engineer



Marek Levray
Logistics Engineer

Auriane Herbaut
Station Leader



ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR-
UND MEERESFORSCHUNG



Thank you!