

Session 4D



Safety Aloft & Rig Maintenance

Note on Safety Aloft Presentation:

Due to some sensitiv content this presentation is not available on the Sail Training International website.

**A PDF summary version of the presentation can be requested by sending an e-mail to:
Tobias.Bender@marigraph.com**

**Session 4D
Safety Aloft and Rig Maintenance
Tobias Bender and Richard Tefsen**

Initiated by the ongoing yard refit of the Navy Sail Training vessel *Gorch Fock*, the German Navy decided to send naval officers and cadets on several voyages onboard the civil Sail Training vessel *Alexander Von Humboldt II* in 2019 and 2020. One main objective was to realize replacement crew-training including working aloft in the rig, that should be comparable to German Navy standards as far as possible. Based on this, the question came up about how far the Fall Protection PPE Systems on both vessels are comparable in terms of their handling and safety standard. Marigraph the company of naval architect Tobias Bender, developed and compiled an extensive comparative technical study on both vessels' Rig Fall Protection Systems. This was approved by classification society DNV-GL and certified adequate safety aloft standards for *Alexander Von Humboldt II* Sailmaster BV is concluding it's latest task; rigging new-built *STV Polang* for the Chinese PLA Navy. When the building is finished, maintenance starts. We discuss:

- How do you maintain your brand new vessel, to keep it as nice looking as it was when delivered?
- Comparison for different styles of maintenance and maintenance systems.
- Navy Vessels vs civilian STV's.
- The role of Class agencies.
- Ship based maintenance and shore based maintenance.

All experiences reflect work done in the STI Ships' Council and maintenance workshops.