

Objective

Determination, detection and control of corrosion mechanisms and processes that could affect the structural integrity of collision resistant Y-core sandwich structures of ships during an inspection interval of 5 years

Research topics

- Assessment of metallurgical and electrochemical aspects and relevant corrosion mechanisms
- Determine corrosion parameters under typical conditions and assessment of anti corrosion measures

Industrial benefits

- Corrosion risks known and used in risk analysis concerning the application of hollow steel sandwich panels in ship superstructure
- Results used for discussion with class and ship owners
- Further increase of the number of ships being build with this design

