

Structural Interface for Automated Compliance Checking

Team: SSI USA (ShipConstructor USA, Inc.) | Conrad Shipyards | Fincantieri Marinette Marine | Auros Knowledge Systems, LLC | American Bureau of Shipping (ABS)

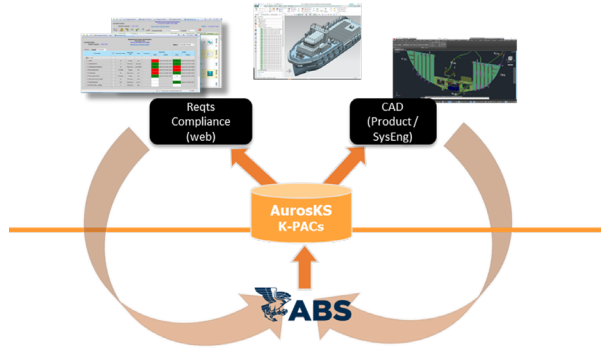
Provision regulatory compliance directly in 3D design model

Reduce effort associated with verifying compliance with ABS Rules and contract specifications through knowledge provisioning.

Solution/ Approach

Digitize ABS Rules and incorporate into Auros Knowledge Management System (K-Pacs).

Integrate Auros into ShipConstructor to automate rules checking through interacting directly in the 3D model.



Project Benefits

Extend and advance the Auros-ShipConstructor integration.

Development roadmap for integration.

ABS Rules compliance checked and validated to verify design compliance.

Project Results

- ABS rules parsed and sorted.
- Connection to ShipConstructor design environment.
- Rules and assessments tied to design model parameters.

**PROJECT WORKSHOP
Details**

**Date: April 20, 2021
Time: 1300 – 1700 ESDT**

Demonstration Registration

[Link](#)

Questions

**Contact the NSRP Team:
nsrp@ati.org**

