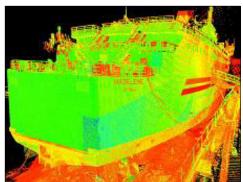


# **Multi Range Multi-D Imaging**

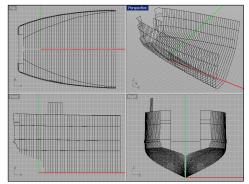












## **Accurate Tri-Dimensional Replication of As-Built Ships**

SCDS developed a leading-edge technology for digitization, geometry creation and reverse engineering of ship and offshore structures.

#### **Technological Features and Performances**

- Very quick non-contact tri-dimensional sensing (laser scanning) and solid model creation
- Point distance accuracy within 2 mm and better, depending on the modeling approach
- o Creation of high quality lofts (NURBS-based)

#### **Efficient Solutions for:**

- Deriving the physical instability and deviations directly from the raw data (collected point clouds)
- Very fast creation of accurate geometries, which are perfectly suitable for FEA/CFD
- o Combining different ranges of scanning and accuracies, ensuring their compatibility and creating multi-range model spaces with all detail levels
- o 2D/3D Modeling of Hull, Engine Room, Decks, Pilot House
- o Interior Design and Layout Modeling
- o Meshing for Structural/Dynamic Analysis and Simulation, Design and Construction
- o Repairs, Upgrades, Ships Retrofit, Restoration, Re-engining

### **Available Export Formats:**

- o DXF/DWG, IGES, STEP, STL
- o ASCII: XYZ, TXT, PTS

SCDS Corp.
117-11131 rue Meighen,
Pierrefonds, (QC), Canada, H8Y3H7
(514) 421-2936 office, (514) 685-4924 fax
scdspro.com info@scdspro.com metadataX.com