

Deri Jones & Associates Ltd

3D Laser Scanning|Marine Structures|3D CAD|3D Visualisation



Geo-Spatial Survey Solutions

Summary

Deri Jones & Associates and GeoSpatial Survey

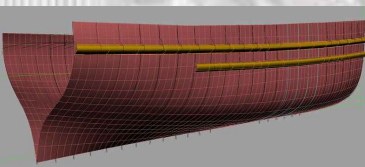


Solutions (DJA/GSS) can offer a range of measurement services for naval architects, build and repair yards. Building on the existing 3D CAD and survey skillbase, the companies can now offer a full range

of 3D hull capture and design services, from lines plan to cut steel.

Services

Hull line lifting: Capturing any size or material of hull and creating 2D lines plan or 3D IGES hull models suitable for structural and stability modelling.



Superstructure modelling: Creating accurate 3D models of existing deckhouses and wheelhouses.

Internal structure modelling: Capturing and creating 3D CAD models (STEP / CATIA compatible) of internal structures, tanks and services.

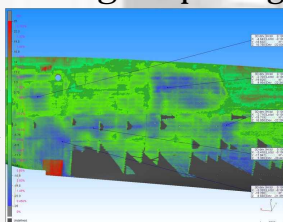
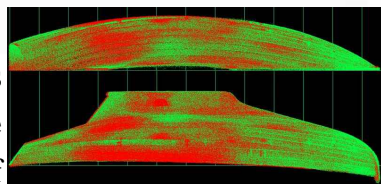


Plate thickness: Locations of readings from plate thickness gauges or similar can be accurately captured in 3D and transferred to 2D lines or displayed as metadata in 3D reports.

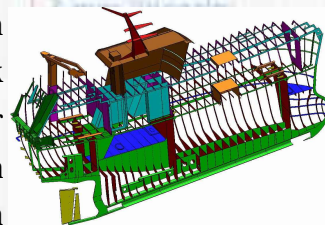
Fairing and hull verification: We can supply high accuracy, coloured maps showing the relative accuracy of built hulls to the design model.



Collision damage and repair: Working with Naval architects, we can capture collision damage and design an assembly structure that

can be CNC cut to provide an efficient repair.

Assembly system design: We have designed CNC cut assembly systems for dozens of vessels, from 5m RIB to 25m trawlers. All design work is carried out on our Solidworks design software and we can



work with you to achieve the best mix of cut components and section stock for your requirements.

3D visualisation: Working from 2D plans, 3D models or even hand sketched ideas, we can create realistic images of your designs – ideal for sales or concepts.

All survey work is carried out using the latest 3D Laser scanning equipment, working to the highest accuracy. Our survey kit is robust and survey work can be carried out in typical yard conditions. The survey work is generally non contact (except for ultrasonic work), requiring little in the way of assistance from yard staff and we are extremely flexible in when and where we can carry out surveys.



Survey teams are independent of yard power and can survey in remote locations on board using battery power.

For further information on projects we have completed and the skills and technology used, please visit our website at www.djaweb.co.uk

If you have any queries or would like to discuss any projects we may be able to assist with, please call or email Deri Jones on +44 (0)870 762 0089 or info@djaweb.co.uk

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Marine Survey Services