MARINE / OFFSHORE PROGRAMME: Accurate Areas Computation.

Blasting/Painting Area Computation of Ships and Offshore Rigs.

SHIPS & OFFSHORE OIL RIGS UNDERGOING MAJOR REPAIRS NEED ACCURATE AREA WHEN DETERMINING BLASTING AND PAINTING REQUIREMENTS.

EXACO (S) PTE LTD

EXACO's proprietary programming (AREAC.EXE in C++) is a Windows program that lets you make measurements onboard ships/vessels and create 3D models from digitized data and photographs. The process is quick and organized and the area models produced are detailed and accurate.

How Does EXACO AREA COMPUTATION Work?

Measurement on control points onboard vessel (principle dimensions). Generate a CAD from program menu.

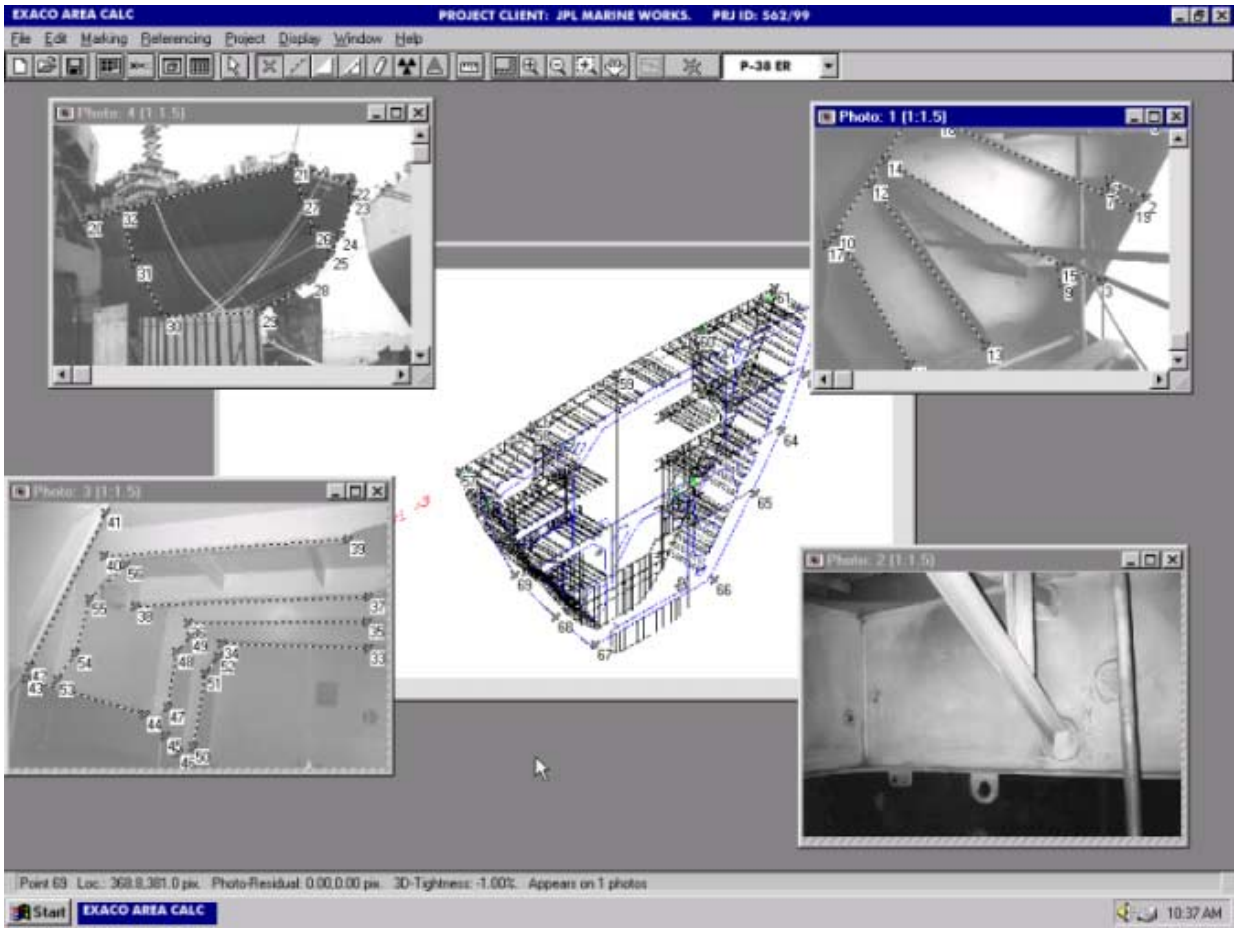
Take pictures onboard and load them as digital photographs in EXACO's AREAC Program.

Mark and Reference the AREA key points.

- Using the Point and Line tools, mark on the CAD and/or photograph the areas you want to measure.

- Use the image zoom function to increase the precision and ease of making.

- Use the Referencing functions to align which points on different photographs represent the same location on the object or in the



area.

Process the Information.

- Select the "Process" menu item and allow program's algorithm processes your referencing area data.

- EXACO's AREAC produces an accurate 3D model by using an advanced algorithm that adjusts input data, creates 3D point data, and computes area data in metric (imperial system pending).

View and Export the AREA model.

- View the resulting AREA model in EXACO's program 3D Viewer.
- Display accurate coordinate, distance and area measurements.

Accuracy

The accuracy of a final EXACO's AREAC measurement depends on a number of factors: the resolution and number of photographs, the angles between the photographs, the number of referenced points, and very important actual measurements onboard etc. Typical accuracy for bulkhead and frame calculation is within +/- 7% but generally within 5% margin.

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