



## CURRICULUM VITAE

### **ALEXANDER CHARLES SCOTT BROWN**

B Sc (Hons) Naval Architect

#### **Contact Details**

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#### **Qualifications**

##### **Academic Qualifications**

7 GCE's  
3 A-Levels  
B.Sc. (Hons) Nautical Studies, Plymouth Polytechnic

#### **Opinion Work**

Mathematical modelling of ships' hull and compartmentation using both SEAMASTER, SEADAM and SEAFLOOD in-house software modules and also using AUTOSHIP software.

Assistance with inclining experiments.

Trim & stability and longitudinal strength calculations on spreadsheet software.

Section modulus calculations using both our in-house SEADAM software and also on spreadsheet software.

Volume of damage calculations on spreadsheet software for use in collision investigations.

Compilation of trim & stability booklets, loading manuals and cargo securing manuals including submission to relevant authorities.

Interpretation of ships' drawings and documents.

Steelweight calculations for dry docking/repairs/MOA disputes.



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Use of cad for producing plans and diagrams for illustration of reports including perspective views of vessels structure.

Investigations into various types of container stow collapses using in-house COMLASH program and analysis of the results.

In depth review of container loses attributable to fully automatic twistlocks.  
Assisting with various casualty situations including groundings, structural failure, collisions, flooding and explosion for all types of vessels.

Overseeing the activities of Shipboard Informatics the software house for TMC (Marine Consultants) Ltd. This includes quoting for the supply of new loading/damage stability programs, updates and alterations to programs previously supplied and liaising with the relevant authorities to get approvals for the programs supplied.