

RÉSUMÉ AND CURRICULUM VITAE

PERSONAL DETAILS & QUALIFICATIONS

Name: Edward Bates
Position: Engineering Consultant
Nationality: British
Education: MSc Naval Architecture

EMPLOYMENT RECORD

Present *Argo Engineering Solutions Ltd*, Engineering Consultant
2019 – 2023 *BMT Ltd*, Structural Engineer & Innovation Coordinator
2016 – 2019 *BAE Systems*, Structural Engineer
2014 – 2016 *BAE Systems*, Graduate Naval Architect

RÉSUMÉ

I am a Structural Engineer with more than eight years' experience who has worked on projects mainly within the marine industry.

I have experience working on the structural design of vessels using various materials including aluminium, steel and FRP to meet the requirements of all the major Class Societies.

I have gained experience using a multitude of specialist software packages for both design and draughting, these include programs such as Strand7, Mathcad, Autocad, Autodesk Inventor, Rhino.

EXPERIENCE – A brief summary of some of the projects I have had a key role in.

MSV(L)

Structural Engineer carrying out structural design of foundations and lifting and turning of units, on the US Army's tri bow fast landing craft.

109m Motor Yacht

Structural Engineer carrying out class level design for Oceanco yacht 'Y722' and analysis of the transportation of vessel.

45m Motor Yacht

Structural Engineer carrying out finite element analysis on a sub model to provide satisfaction to class comments that the scantling meets requirements.

100m Sailing Yacht Feasibility

Structural Engineer working on the structural conceptual design of a 100m catamaran sailing yacht including the initial global FEA feasibility.

40m Ferry

Structural Engineer working on the structural design of two ferries. The analysis included a feasibility study up to class design of two vessels considering different operational profiles.

CTV Design

Structural Engineer working on the structural design of aluminium CTV's 26 & 27 metres in length to various classification society rules at both class level and detail design and responsible for weight optimisation.

35m Patrol Boat

Structural Engineer carrying out structural design on a 35m fast attack craft, including nonlinear sub model Finite Element Analysis.

40m Survey Vessel

Structural Engineer for the structural design on a 40m aluminium catamaran, including global Finite Element Analysis.

60m Monohull Ferry

Structural Engineer for the structural design for a 40m HSC ferry.

M55 – Mine Sweeper

Structural Engineer for the structural design of foundations and the reconfiguration and refit of a Hunt class mine sweeper to class requirements.

Submarines Production Support

Structural Engineer responsible for analysis lifting and turning of units, jigs and production aids.

Queen Elizabeth Class

Structural Engineer carrying out class calculations to verify the strength of the flight deck for over 90 additional vehicles for deck and hanger. As well as providing engineering support to ensure the vessel was ready for sea trials.

Royal Navy Fleet Support

I have 5 years of experience in Royal Navy fleet support as a Structural Engineer carrying out structural analysis on new equipment and foundations across the current naval fleet increasing capabilities.

OUT OF WORK INTERESTS

My main interests are cycling, sailing, swimming and walking.

I have been sailing for over 25 years where I have enjoyed competing on both dinghies and yachts.

I enjoy cycling and swimming having competed in a few half and full ironmans.