

Curriculum Vitae – Tariq Jaman

A qualified and enthusiastic professional naval architect, structural engineer and marine engineer with experience on a wide range of commercial, private and military vessels as well as renewable and offshore sectors, with extensive knowledge and experience in vessel design, operation, technical management and surveying in a global environment. As a member of a team of Naval Architects, I have managed wide range of projects in Maritime sector and provided technical advice and solution to the client worldwide. I have worked in a highly demanding environment while seeking solutions on own initiative.

Specialties: Structural Design, Stability, Finite Element Analysis, Surveying, Project Management, Newbuild/repair supervision, Plan Approval & Design Review, Design and Drafting, Strategic Management and Team Management.

Work Experience

Selman Marine Design Ltd – Senior Naval Architect/Structural Engineer – Dec 2013 -Present –Glasgow, Scotland, UK.

Duties and Projects to date include:

- Offshore and Marine Structural Design and Modification
- Plan approval, Design review & Approve Drawing
- Planning and estimating for projects and develop CTRs
- Manage and Lead Projects and Supervision of the Team along with mentoring and supporting junior members and graduates of the team
- Liaison with Marine / offshore Manufacturer Product Team
- Major and Minor Conversion
- Plan approvals for VLCC's, LNG carriers, Semi-sub and Heavy lift vessel;
- Scantling & strength calculations as per classification societies;
- Dealing with Shipyard and Project management team on plan approval and construction process.
- On board surveys – steelwork condition surveys/ ultrasonics/ lightweight checks/ inclining experiments/underwater hull survey/ low level lighting/ SOLAS fire regulations surveys.
- Creation of ship and Offshore Structure manuals such as Stability books, P & A Manual, Operation Manual, CSM's, ETB's, SSAM and BWMP's etc.
- Trainer for offshore structure and ship onboard stability programme.
- Participate in different conferences and seminars on behalf of company;
- Co-ordinating team of architects and draughtsmen on various projects.
- Dealing with Ship Managers and Superintendent in daily basis for safe ship operation.
- Finite Element Analysis
- Fluid Structure Interaction (FSI)
- Blast Door/window Design, Impact and Explosion
- Stability & Loading conditions
- Ship and Offshore Structure Survey
- Project Management, FEED and Pre-FEED
- Offshore Module design as per DNV 2.7-1 and 2.7-2
- Laser Scanning for Survey and Modelling
- Sea fastening design and Component Design

- Hatch and Door Design for Ships and Substations
- R&D and Creating value for Clients through technical and technology innovation
- Business Development activities to support clients

Previous Employment

- Tritec Marine Ltd (Northern Marine Management, a member of Stena sphere of companies) - Naval Architect – June 2008-Nov 2013, Glasgow, Scotland, UK.
- Trainee Naval Architect (summer placement) – Tritec Marine Consultants;
- Assistant Engineer – Narayngonj Dockyard, Bangladesh
- Cadet and 4th Engineer – Onboard oil Tanker; Summit Shipping Ltd, Bangladesh.

Education & Qualifications

Part-time Doctoral Researcher – on Management and Engineering at the Glasgow Caledonian University

Major: Management and Research in Engineering

MSC Institute of Technology (CPD) - Model Based Engineering

Major: Finite Element Analysis and Computer Aided Engineering (CAE)

Independent Coursework, Masters level qualification (140 Credit) – At University of Strathclyde, Middlesex and Lloyds Maritime Academy

Major: Renewable Engineering, Marine Structure Survey & Strategic Management

Diploma in Marine Surveying (2010-2011) – Lloyd’s Maritime Academy, UK, Result Obtained-Distinction (92%).

Distance learning diploma in the fundamentals and practicalities of ship surveying (and related subjects) to supplement my experience in this field.

BEng(Hons) Naval Architecture & Marine Engineering (2005-2008) – Universities of Glasgow and Strathclyde, UK, Result Obtained- Merit (66%).

Subjects: All aspects of Marine Design & Manufacturing; Structural Analysis & Design; Naval Architecture, Computer Modelling; Project & Business Management; Marine Renewable Energy, Offshore Engineering etc

Marine Engineering Diploma, (2001 – 2004) - Bangladesh Institute of Marine Technology, Result Obtained-First class first.

All Marine Engineering Subject with extensive practical work.

Skills & Experience

- IT skills – AutoCAD 2011, SolidWorks, NAPA, MSC SimOffice R2.2 (FEM software), Patran, Nastran, Adam, Ansys, Fluent & Gambit, Autoship & Autohydro/Modelmaker, Microsoft Office, MathCAD, Statistics (SPSS), OrcaFlex, Nauticus, Rhino, Deadweight, Multiframe DNV Nauticus, nCode, SolidWorks, MSC Apex and STAAD Pro.
- Emotional Intelligences, Project Management and Employee Engagement
- Offshore Survival Certificate (BOSIET & FOET) and complete Offshore Medical
- Welding – Basic training in oxy-acetylene, metal arc & brazing
- Machining – Turning, Drilling, Shaping and Grinding.
- Marine Engine overhauling, faultfinding and maintenance.

Training & Development:

I have attended the following courses:

1. Offshore Survival Certificate
2. NAPA and Autohydro training, a ship modeling and stability programme.
3. Finite Element Analysis training on Patran, Nastran, Adam, MSC Fatigue & Multibeam
4. Conference on Risk & reliability analysis at University of Strathclyde
5. Maritime business and transportation at University of Strathclyde.
6. Conference on Marine Renewable Business, Organised by Scottish Enterprise
7. Conference on Stena Business, Organised by Stena Group
8. Marine Environment Protection and Safety at University of Strathclyde
9. Accounting for Engineers at University of Strathclyde
10. Wide range of health and safety in-house training
11. Attend workshop and seminar on MSC Software on regular basis
12. Class Survey, Certification and Survey Management at Lloyds Register, Glasgow
13. Fatigue & durability and Vibration monitoring assessment workshop in Aberdeen with nCode.
14. Regular attend conferences and seminar organized by professional bodies.

I also took the opportunity while studying for my Degree to attend various seminars, presentations and workshops arranged by the University. Those were as follows:

1. Role of Mathematics in Offshore Engineering Design
2. Learning from Design Failures
3. Pelamis Wave Energy Converter – Progress and Prospects
4. Back Where It Belongs: Geological Storage of Fossil Fuel Emissions.

Voluntary Work

- Core Member of Charity Education International, UK
- General Secretary of Bengali Performing Arts, Glasgow, UK
- Supervised Externally of an M.Phil Student on Carbon Capture Technology at University of Strathclyde.

Activities & Interests

Professional Bodies

1. CEng (Chartered status) form Engineering Council UK,
2. Full members of Royal Institute of Naval Architect (RINA), Institute of Marine Engineering Science and Technology (IMarEST) and Institute of Engineering and Technology (IET).
3. In the process applying CMgr (Chartered Manager) with Chartered Management Institute (CMI) through Institute of Engineering and Technology (IET).

Sports & Activities Hillwalking & camping, football, cricket, travelling, reading history and novel.