RÉSUMÉ AND CURRICULUM VITAE

PERSONAL DETAILS & QUALIFICATIONS

Name:	Suzy Russell
Position:	Engineering Consultant
Nationality:	British
Education:	MEng (Hons) in Mechanical Engineering – University of Exeter

---

EMPLOYMENT RECORD

2019 – Present	***Argo Engineering Solution Ltd,*** Engineering Consultant
2018	***AEL Airborne***, Project Engineer
2016 – 2018	***Premier Composite Technologies***, Structural Engineer
2012 – 2016	**Gurit**, Design Engineer

RÉSUMÉ

I am a structural engineer with six years' experience, specialising in advanced composite structures. I began my career as a Design Engineer for composite material supplier Gurit where I primarily focussed in the marine sector before moving to Premier Composite Technologies, a global leader in manufacturing advanced composite components where I had the opportunity to work closely with the production teams and add a repertoire of top-end architectural projects to my portfolio.

ARCHITECTURAL EXPERIENCE

Carbon Fibre roofs

Lead structural engineer from conceptual design through to installation on-site for 2 Carbon Fibre commercial roofs, one in Chicago and one in Taipei, for a leading technology company. Each roof spans over 1000m^2 and cantilevers over a glass façade; inboard of the glass façade the roofs are supported by a steel structure and outboard these are self-supporting.

Self-supporting carbon fibre staircase – Dubai mall

Lead engineer for self-supporting carbon fibre staircase within Dubai mall

Mataf ceiling

Structural engineering of GFRP/UHPC ceiling panels for the Mataf walkway, Mecca.

MARINE EXPERIENCE

40' Carbon Fibre Race Yachts
Structural engineering and optimisation of both production and custom built carbon fibre race yachts for Fast 40+ fleet including liaison with DNV-GL for ISO certification.

Structural engineering checks for modifications to existing race boats to make them more competitive within Fast 40+ fleet.

Data acquisition and analysis
Data acquisition set-up and analysis of Volvo Ocean Race using Cosworth system and MatLab, presented findings at Yacht Racing Forum in Geneva 2015.

16m FRP Pilot/Patrol boats
Structural engineering of production FRP pilot and patrol boats to meet BV classification

FRP Navigation masts
Structural Engineering of production FRP navigation masts suited to fit range of different vessels.

67m Carbon Fibre Superyacht
Structural engineering for re-fit of 67m Carbon Fibre Sailing Superyacht including Engine, Generator and Thruster change requiring new structural designs and repair specifications for removal of outdated structures.

53m Carbon Fibre Superyacht
Structural engineering of the highly loaded mainsheet structure for 53m Sailing Superyacht.

PROFESSIONAL DEVELOPMENT

IEng Member of Institute of Mechanical Engineering.

OUT OF WORK INTERESTS

My main interests are sailing where I regular compete at national and international level, skiing, kiteboarding and cycling.

TECHNICAL PAPERS

1. **2016 – 22nd Chesapeake Sailing Yacht Symposium**
   Insights from the Load Monitoring Program for 2014-2015 Volvo Ocean Race.
   Authors: Suzy Russell, Gaspar Vanhollebeke, Paolo Manganelli

---