

RÉSUMÉ AND CURRICULUM VITAE



PERSONAL DETAILS & QUALIFICATIONS

Name: Simon Walley
Position: Owner (Argo Engineering Solutions Ltd)
Nationality: British
Education: BEng (Hons) in Aeronautical Engineering -
Loughborough

EMPLOYMENT RECORD

2016 - Present *Argo Engineering Solution Ltd*, Owner
2014 - 2016 *Magma Structures Ltd*, Business Development
2005 - 2014 Manager
1997 - 2005 *BMT Nigel Gee Ltd*, Head of Structures
1996 - 1997 *CETEC Ltd*, Principal Engineer
1995 - 1996 *Esso Pipelines Ltd*, Contract Engineer
Transco, Junior Engineer

RÉSUMÉ

I am a structural engineer with more than twenty years' experience, specialising in structural design, analysis and working in a special projects environment. I ran the structural engineering department within BMT Nigel Gee for ten years before moving to Magma Structures to help this large composite structures supplier become the country's leading large composite structures company. I have recently started Argo Engineering Solutions Ltd to offer my experience in design and utilisation of lightweight materials, including composites, aluminium and higher grade steels to the wider market.

I have a wealth of experience communicating at all levels from boardroom to the shop floor. I have successfully run focused design teams for many years and have identified some of the significant projects I have held responsibility for in the examples below:-

EXPERIENCE

Wind Farm Vessel Fleet

Design lead and structural responsibility for the fleet of 18-24m wind farm support vessels designed by BMT Nigel Gee. The fleet currently includes 30 vessels across 8 designs that have been launched and proven in service.

Heavy Lift Hoverbarges

Lead structures consultant for Hovertrans, supplier of the largest hoverbarges currently constructed. Project lead for 180t modular drill barge, 200t and 400t logistics barges. Design studies for 2500t barges and trans-Alaskan pipe laying hoverbarge systems.

107m Motor Yacht

Structures lead for 107m high-efficiency, low weight super yacht structure in build at oceAnco.

Composite Submarine Rudder Support for MOD

Independent design review and problem resolution consultant to MOD submarines group for T Class and A class submarines. Tasks include review of design calculations, attendance of design reviews, sitting on MOD control surfaces and composite materials sub-groups.

95m Yacht Global Finite Element Analysis

Principal Engineer for 96m yacht global Finite Element analysis to LR Passenger Ship Rules. Yacht was launched at Devonport dockyard in September 2011.

220m MARS Tankers

Principal Engineer for structural analysis and class package for 220m MOD MARS refuelling tankers recently launched and commissioned at DSME in Korea.

New Caledonia 57m Catamaran

Structural Engineer for 57m high sea state aluminium catamaran structure with FBMA for New Caledonia proven in service.

Project Gemini

Structural Engineer for world's largest aluminium sailing catamaran yacht structure, launched in 2011 by Pendennis Superyachts.

18m Composite Egg Radome for Kai Tak (Hong Kong)

Design lead and structural responsibility for 18m architectural radome fitted over new Kai-Tak cruise liner terminal in Hong Kong. Specification for radome requires RF transparency and structural adequacy for typhoon wind conditions.

Bermuda 35m Aluminium Passenger Catamaran

Structural Engineer for 34m fast ferry aluminium structure.

Penguin Ferries 34m Aluminium Passenger Catamaran

Structural Engineer for 34m fast ferry aluminium structure.

M10-29 Hovercraft

Design Engineer for M10-29 Hovercraft for ABS. Responsibilities included design of primary composite components for this, the first advanced composite hovercraft.

Subsea Well Head Protection Structure

Project coordinator for novel sub-sea cage-type GRP protection structure for Shells North Sea Penguin field. Winner of Institute of Petroleum Award 2002.

Boyne Bridge 300m Cable Stayed Mast Pultruded Deck Enclosure

Project Manager and Structural Engineer for new 300m cable stay bridge GRP deck enclosure designed to resist fire for safe evacuation. Winner; Award for Innovation, 7th World Pultrusion Conference.

Portsmouth Tri-Sail 40m Sail Sculpture (adjacent to M275)

Project Manager and Structural Engineer for Fabric sail sculpture as part of Portsmouth City Council regeneration.

OUT OF WORK INTERESTS

My main interests are building and restoring cars, sailing, rugby and kayaking.

In my late twenties I built a replica Porsche 550 race car which I sold in 2014. I am now looking for a classic car to restore over the next few years.

I am a serial boat owner and currently race and cruise with family and friends in the summer months. I also coach children from the local school in dinghy sailing from April to November and have a model racing trimaran that I regularly race at Gosport Model Yacht Club.

I am a member of Fawley Rugby Club and coach the Under 9 team through their first year of contact rugby from September to May. I also help organise summer touch rugby for the junior section.

In 2014 I re-discovered marathon kayaking, a sport that I had enjoyed in my youth. Over Easter of that year I completed the Devizes Westminster 125 mile canoe marathon in 25 hours. In recent weeks my paddling partner and I have set a new Guinness World Record time for a Tandem Kayak Crossing of Loch Ness, a distance of 21 miles.

TECHNICAL PAPERS

1. 2002 - National Group for Composites in Construction Conference at BRE

Novel Use of FRP Composites in Building Construction. Author: Simon Walley

2. 2008 - 20th HISWA Symposium on Yacht Design and Construction, the Netherlands. *Longitudinal Vs Transverse Framing Systems for Large Yachts* Authors : James Roy, Ben Munro, Simon Walley, Alex Meredith-Hardy

3. 2015 - Lightweight Design of Marine Structures (LIMAS), Glasgow

Building Big Rigs. Author: Simon Walley
