



Steller Systems

2014 Summer Newsletter



FY2013/14 has been another momentous year for Steller Systems. As we celebrate our third anniversary, we reflect on the range of work we have

done in the military and civilian sectors, providing a real difference to our clients' programmes.

Our dedicated team of Naval Architects, Marine Engineers and Systems Engineers continues to expand and provide support to new customers.

This summer's newsletter contains some of the highlights of this very exciting time in the growth of Steller Systems.

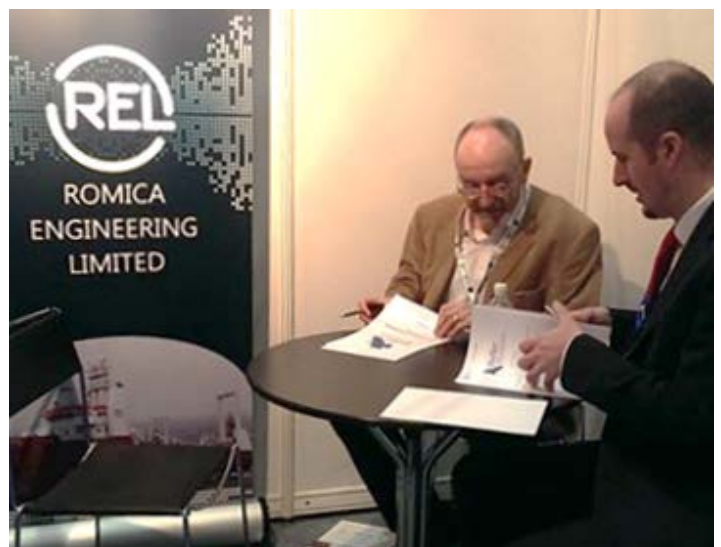
Our team of experienced Naval Architects, Marine Engineers and Systems Engineers are ready to help you to make your projects succeed. If you have a requirement for naval architecture consultancy, please get in touch.

Rob Skarda

Romica Engineering selects Steller Systems as preferred supplier of Naval Architecture support

Steller Systems is pleased to announce that it has been selected as Romica Engineering's preferred provider of naval architecture support. The establishment of this formal agreement between the two companies provides Romica's worldwide customers with easy access to assured support from naval architects who understand the complexities of the installation and operation of winches, A-frames and subsea handling equipment on board ship.

Romica Engineering provides payload welfare to the oceanographic and offshore oil and gas sector. Romica supports companies undertaking subsea measurement, monitoring and IRM tasks through a range of services, tools and equipment solutions.





International Naval Engineering Conference and Exhibition

One of Steller Systems' Naval Architects has been awarded the prestigious 2014 Sir Donald Gosling Award at the 12th International Naval Engineering Conference held in Amsterdam.

The award, which is awarded to the best paper and presentation by someone under 35, was for Dominic Burger's paper entitled '*Unmanned naval aviation and its impact on future carrier design*'.

The paper summarises work that Dominic led whilst working for Steller Systems in the Naval Design Partnering Team, which conducts all pre-concept and concept ship designs for the Royal Navy and Royal Fleet Auxiliary. Steller has recently reaffirmed its commitment to the NDP for a further year to continue giving guidance and support to its concept design work.

Meanwhile Principal Naval Architect Robert Skarda and Senior Naval Architect Rick Goddard presented a paper entitled '*UXV-Enabled Totally Modular Combatant*', which discussed how modularity in ship design can help achieve competing requirements such as increased capability, increased survivability and reduced through-life cost.



Support to UK Naval Authority Group

Steller Systems is conducting a range of tasks on behalf of the UK's Naval Authority Group, providing expert modelling and analysis for a range of UK naval vessels.

This has included analysing a number of vessels under 92m and assessing whether they could comply with a 15% damage extent criteria. Steller Systems will present this work at the Ship Stability Workshop 2014 in Kuala Lumpur later this year.

Other work has included the audit of Type 26 and Quillion Paramarine models, and audit of stability submissions for Queen Elizabeth Class aircraft carriers and HMS Ocean (under a Limited Recognised Organisation delegation). In addition, Steller Systems' naval architects will act as Naval Authority witness at four inclining experiments. Steller Systems has also provided advice on the use of new grounding features introduced into the latest version of Paramarine™ naval architecture software.



Steller Systems is pleased to announce that it is now a Corporate Partner of the Royal Institution of Naval Architects (RINA). This recognises our commitment to achieving and maintaining high professional standards in our employees. Our team of Naval Architects are all active members of RINA, and Steller Systems' Managing Director is a Fellow of RINA.

Naval Architecture Support to Ice Patrol Ship HMS PROTECTOR

Andrew Weir Shipping Limited (AWSL) has won a 3-year contract to manage HMS PROTECTOR, the Royal Navy's Ice Patrol ship. HMS PROTECTOR provides a UK sovereign presence in the British Antarctic Territory and its surrounding areas.

Steller Systems has been an integral part of AWSL's bid team, bringing together Steller's experience of Naval Architecture and the MOD with AWSL's extensive experience of commercial ship management. Steller Systems will be providing a range of Naval Architecture services for HMS PROTECTOR throughout the 3-year period.



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Steller Systems Recognised for Quality

Steller Systems has been awarded ISO 9001:2008 certification for its Quality Management System. This standard is recognised worldwide as a benchmark for quality.

Steller Systems operates a comprehensive Quality Management System that focusses on effective project management, stringent quality control, continual improvement and customer satisfaction.

The awarding of this standard recognises Steller Systems' commitment to providing an exceptional level of service to its customers.

Technical Support to QinetiQ Surface Naval Architecture Team

Steller Systems' naval architects have provided long-term on-site technical support to QinetiQ's Surface Naval Architecture Team in Portsmouth, providing technical advice, analysis and numerical modelling.

Tasks have included investigating the effects of low stability GM on the Type 26 Global Combat Ship; investigating the impact of initial intact list on the probability of capsize for Type 23, RFA ARGUS, HMS OCEAN and a Sandown MCMV; and carrying out a FREDYN investigation into the stability impact of progressive flooding between the well dock and vehicle deck of the RN Landing Platform Dock.



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Judges' Favourite at QinetiQ Industry Powerboat Challenge

Steller Systems has been awarded 'Judges' Favourite' in the 2013 QinetiQ Industry Powerboat Challenge in Haslar.

This annual competition challenges teams from across the industry to design and build its own radio-controlled model powerboat and race it around a course in QinetiQ's Ocean Basin Facility. Steller Systems may be used to designing large ships, but it drew upon its Naval Architecture skills and experience to design, model and build a 700mm shallow-V planning hullform.

Steller was pitched against 12 other teams from some of the biggest companies in the marine industry. Steller took fourth position in the heats, before crashing out in the final race and ultimately coming in third place.

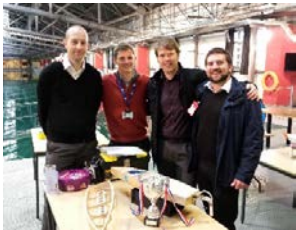


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Steller Systems Ltd. is privately owned and completely independent. As such, we are able to offer truly impartial and unbiased advice and support.

Our close-knit team of qualified Naval Architects, Marine Engineers and Systems Engineers supports clients' programmes and bids with concept designs, modelling and evaluation, and advice on mitigating the risks of integrating complex systems. We work on programmes in both the military and civil sectors, and our clients benefit from the unique experience and expertise that this brings.

To discuss how Steller Systems can help you, contact us on 01453 707717 or email enquiries@stellersystems.co.uk.



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