

## BMF Technical Day at the London International Boat Show

**FREE to MIA Members**

**Premier Suite, ExCeL from 10.30 am to 2 pm, 14 January 2009**

The British Marine Federation (BMF) will host this event to showcase the latest technology and research available to the marine sector. The Motorsport to Marine theme will offer technology and knowledge transfer opportunities between the marine and motorsport sectors.

**Motorsport Industry Association** members are invited to join BMF members and benefit from excellent networking opportunities.

Nigel Calder, expert and author in marine mechanical and electrical systems, will present the latest technology developments and trends in marine electrical and mechanical systems, including hybrid propulsion and electronic control systems. He will update delegates on the EU Framework 7 project on hybrid marine propulsion. Ken Wittamore of Triskel Marine will explain more about this collaborative R&D project and what it hopes to achieve, which would be of value to MIA members.

Ricardo, the world leading design, development and research company in internal combustion engines and systems, will show how the latest high performance automotive diesel engines are being applied to marine applications for improved efficiency, weight reduction and refinement. Wirth Research, an innovative engineering group, specialises in motorsport and other high technology sectors. Their extensive capabilities in virtual engineering technology and simulated track testing and vehicle development can avoid the expense of building or testing prototypes, and undertake rapid design, development and manufacture of new products in a variety of materials.

### Provisional programme

- 10.30 Registration and welcome refreshments  
**Marine Technology developments and trends**
- 11.00 **Nigel Calder** - Latest developments and trends in marine systems
- 11.40 **Nigel Calder** - HYMAR Marine hybrid propulsion project - Technical background and challenges to this EU FP7 project
- 12.10 **Ken Wittamore, Triskel Marine, Fowey** - HYMAR project -from the present state addressing the challenges to create a viable system
- 12.30 Refreshment break  
**Motorsport to Marine**
- 12.50 **Dave Morrison, Ricardo, Shoreham-by-Sea** - Automotive based diesel engines for leisure marine applications: opportunities for improved efficiency, refinement and weight reduction
- 13.20 **Darren Davies, Wirth Research, Bicester** - Innovation and virtual engineering in the design, testing and manufacture of new products
- 13.50 Closing remarks
- 14.00 Close of BMF Technical Day

Members are free to walk the show till 7:30 PM.



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