

Hybrid Marine Ltd Collaboration – EP Barrus Ltd
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Hybrid Marine and Barrus in joint venture

Hybrid Marine Ltd collaborates with E.P. Barrus Ltd for the final development, testing and marketing of a Parallel Hybrid Saildrive system based on the Yanmar range of marine engines.

Hybrid Marine a leading developer of Hybrid Electric drive systems, is pleased to announce that it is collaborating with E.P. Barrus Ltd, the UK distributor for Yanmar engines UK in the final development, assembly, testing and marketing of what will be the most technically advanced and cost effective Parallel Hybrid Saildrive solution available to the market.

As part of the agreement Barrus will have the marketing and distribution rights through their authorised dealer network in the UK. It is anticipated that there will be a strong demand from both OEM boatbuilders and the retro fit market servicing existing vessels.

The system will initially be exhibited at the 2009 ExCel London Boatshow on the Barrus stand S16a (January 9th - 18th) and a further raising of public awareness will be achieved with attendance at key international boatshows through 2009.

Graeme Hawksley, Managing Director of Hybrid Marine commented: "After committing five years of my life to designing and developing some of the most innovative Hybrid Electric drive systems currently available I am delighted to be partnering with a company as well respected and forward thinking as Barrus. The combination of the core competencies of Barrus and those at Hybrid Marine will make us a formidable force in this market area. This collaboration will enable us to bring to the mass market fully integrated, cost effective, off the shelf Saildrive parallel hybrid systems".

- ENDS -

Notes to Editors

About Parallel Hybrid systems

Parallel Hybrids are unique in that rather than replacing the vessels standard diesel engine they compliment it. Suitable for vessels up to 50 feet this approach brings key advantages including redundancy (failsafe) should either the diesel engine or the electric drive fail. The very compact and yet powerful saildrive hybrid automatically selects either the silent and clean electric drive mode or when needed for more testing conditions or maximum hull speed the more powerful traditional diesel drive. When using the diesel engine for propulsion the electric motor automatically becomes a 5kW generator recharging the batteries but also loading the diesel engine beyond the propulsion load to a point of greater operating efficiency. This is key in increasing the vessels range for a given fuel capacity and there is of course a fuel saving. Furthermore for a sailing vessel under sail the propeller can (at the owners discretion) be allowed to rotate, again providing a generator function for recharging batteries and to support onboard systems. Additional system functionality allows the system to be used as a standalone diesel generator even when the vessel is stationary thus removing the need for the owner to purchase a separate expensive, bulky and heavy diesel generator.

About Hybrid Marine

For the past 5 years Hybrid-Marine (HM) has been researching the use of hybrid/electric technology in small marine craft. Part of this work has been funded by a grant from the UK DTI under their "Smart Award" scheme. HM has published widely and has received international recognition for its work with marine hybrids. HM's parallel hybrid system is the first commercial product to come from this research. This low cost/high feature hybrid offers the industry a step change in sophistication and ease of use. We can think of no better partner than EP Barrus for establishing the UK market for our Yanmar based saildrive hybrid solutions. Please visit our website www.hybrid-marine.co.uk

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About E.P. Barrus Ltd

Barrus is a company that has a strong sales, distribution and engineering focus with over 90 years of trading. Barrus has continued to display the core values laid down by its founder, Ernest Prouty Barrus, of innovation and creativity that has become synonymous with the Barrus name. Barrus has developed partnerships with major international companies representing leading brands in the garden machinery, marine, vehicle and industrial engine markets. Each of these market sectors are serviced and supported by specialist teams delivering professional sales and technical after-sales back-up to the Barrus network of over 1500 authorised dealers to provide the highest quality products to the end user. Recognised worldwide as a leading custom engine builder, our applications engineers and engine builders

ensure the optimum specification is supplied direct to our original equipment customers' production lines. Barrus' dedicated research and development team work as consultants with the MOD, the RNLI and other military and emergency services and organizations supplying specialist engines and equipment. Please visit our website www.barrus.co.uk

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