

Kolls-Royce Marine to promote its green image

ROLLS-Royce Marine has set up an environmental council in an effort to show off its green credentials, writes Craig Eason.

"The world is changing and we need to stay in kilter with our customers, otherwise our shareholders will complain," said Duncan Forbes, executive vice-president of engineering technology.

The company believes that public opinion affects how customers behave and this puts pressure for awareness on large businesses. These commercial pressures then bring about change, which should come ahead of legislation.

"Environmental legislation is almost a backstop to catch businesses that trail behind the main players in the marine industry," said Mr Forbes.

As part of its determination to be as environmentally effective as possible the company has set up the environmental council from all its divisions to look at what the business is doing and recognise the role that technology plays.

"This council stands back from the business and aims to provide cohesion and a cross-fertilisation of ideas across different groups," Mr Forbes said.

The environmental council is headed by Colin Smith, Rolls-Royce's director of engineering and technology, who also sits on the board, reporting directly to Sir John Rose.

"We have to look at the whole footprint of a ship. That means the whole life and operation of a vessel," says Mr Forbes.



Forbes: Environmental legislation is like a backstop to catch businesses that trail behind the main players.

"At Rolls-Royce we provide many components for the industry and we have to increase our responsibilities."

The company is also contributing to the European Waterborne Technology Platform, a European Union-funded cross-industry project launched more than two years ago to assess the challenges for the maritime industry and to find a common vision to work towards.

Diesel team's herculean project ends

A EUROPEAN research project looking at ways to reduce emissions and improve the efficiency of marine diesel engines has concluded its work, writes Craig Eason.

The High Efficiency Research and Development on Combustion with Ultra Low Emissions for Ships (Hercules) co-operative was led jointly by MAN Diesel and Wärtsilä and involved a total of 40 engine component suppliers, research institutions and shipowners.

It was launched three and a half years ago and the results of the €33m (\$43m) project will allow the participating companies to develop marine diesel engines with technologies, components and equipment that will help achieve lower gaseous and particulate emissions while increasing efficiency and reliability. But the results of the research are not expected to be evident in new engines for about 10 years.

The project was undertaken by a number of work groups looking at issues including engine operation extremes, the use of computer fluid dynamics to optimise combustion systems, improved capabilities in turbocharging and emission reduction methods.

Emission reduction included looking at various ways to use water inside engine cylinders to reduce NOx generation and a project to look at how to reduce particulate emissions from two- and four-stroke diesels by analysing particulate properties. It also looked at methods of after-treatment to reduce NOx.

Work was also conducted to develop the adaptive, or intelligent, engine. This project aimed to create engine systems and components with the capability to self-adjust to prevailing operational conditions and component status.

The two main engine makers, MAN Diesel and Wärtsilä, have proposed further joint research. Hercules B is awaiting evaluation by the European Commission later this month. Principal goal of this follow-up project is to considerably improve on the work produced to date.

Newbuildings

Vessels Launched

Builder	Yard	Name	Launched	Launch Date	Type	GT	DWT	Flag
21st Century	240	Sichem Hong Kong	Tongyeong	25 Aug 2007	tee	8750	12800	SGP
Aker MTW	157	COCL Bremen	Wisnar	27 Jul 2007	ucc	27900	37570	LBI
Aker Yards	392	MSC Polska	St. Nazaire	30 Aug 2007	mpc	32400	65000	PAN
Barreras	1654	Volcan de Tjarnle	Vigo	30 Aug 2007	ofy	13892	3350	GMI
China S.R.	869	YM	Keelung	11 Sep 2007	tee	15700	21700	LAR
Dynaflex M.		Noah VII	Singapore	23 Aug 2007	mpc	1242	—	IDN
Blekkedal	106	Norman	Flekkefjord	11 Aug 2007	xah	7500	4100	NOI
Flensburger	734	Coastal Inspection	Flensburg	31 Aug 2007	prc	21800	1770	CAF
Grandvold	432/416	Franki-8	Dubai	11 Aug 2007	osu	126	52	KW
Guangzhou	612/602	Beth	Guangzhou	11 Aug 2007	tpd	23044	38500	LBE
H. Ship	632/601	Nan Hai Jiu 301	Guangzhou	20 Aug 2007	osu	4190	—	CHI
Ho Long	HLK-101	Bingo	Halifax	11 Aug 2007	gpc	5624	8790	PAI
Hyundai	419	Krisjans	Ulsan	16 Aug 2007	tee	23240	37340	MU
M.D.		Valdemars						
Hyundai	452	Aurora Crown	Ulsan	11 Aug 2007	tpd	20500	40800	JKK
M.D.								
Jaya	055	Sea Orca	Singapore	11 Aug 2007	xah	2690	2000	SGI
Jiangsu Y.	YZJ2004-092C	Qian	Jiangyin	11 Aug 2007	gpc	9570	13000	ATI
Kawasaki	1604	Anna Maria	Kobe	13 Aug 2007	bbu	30000	65100	PAN
Samsung	1624	Maersk Algol	Gaeje Is.	11 Aug 2007	ucc	105700	146200	DK
Samsung	1639	YM Seattle	Gaeje Is.	11 Aug 2007	ucc	39500	50500	CY
Shanghai								
Wulgaqiao	1074	Private	Shanghai	11 Sep 2007	bbu	49000	177400	MC
Talsiro	547201	Dona Diana	Praneker	11 Aug 2007	asy	439	368	ME
Toralak	50	Ozay 5	Tuzla	11 Aug 2007	tee	6000	10000	TU
Volharding	602	Evie P.G.	Fordeal	19 Jul 2007	tpd	6600	10800	LOI
Xiamen	XS4048	GSAV Rlo Nevada	Xiamen	11 Sep 2007	nave	35000	12000	LB
Yangfan	2040	Arca	Zhoushan	12 Aug 2007	ucc	27000	34700	LD
Yangzhou D.	108	Lark	Yangzhou	11 Aug 2007	bbu	30900	53600	MI
Zamil	111	Zamil 17	Al Khobar	11 Aug 2007	xah	1641	1300	BE
Zhejiang								
Chukra	2041	Maersk Bertie	Zhoushan	11 Aug 2007	ucc	15375	18480	CY

Information extracted from Lloyd's MTO

Website: www.lloydslist.com

© Lloyd's MTO 2007. These reports may not be reproduced, stored in a retrieval system, or transmitted in any form or by any means electronic, mechanical, photographic, recorded or otherwise without the prior written permission of the publisher.

LLOYD'S
The Market Standard

Shipbuilding appears every Tuesday, edited by Craig Eason
craig.eason@informa.com
 020 7017 4889
www.lloydslist.com/shipbuilding