



CCS Signs Marintec Agreement

Technical Cooperation Agreement strengthens existing collaboration; PrimeServ's Online Service also receives CCS class approval

Copenhagen,
03/12/2015

On 1 December 2015, MAN Diesel & Turbo signed a Technical Cooperation Agreement with the China Classification Society (CCS) during Marintec China 2015.

The Agreement provides for the strengthening of the cooperation between the two companies in Intelligent Ship research with regards to data exchange, online monitoring and online service.

Wayne Jones – recently appointed as Executive Board Member for Sales from 1 January, 2016 – MAN Diesel & Turbo, and Sun Feng – Vice President – CCS, signed the agreement on behalf of their respective companies.

Jones said: "This signing represents just the latest step in our collaboration with CCS, one which I am certain will last for many years to come. The Chinese market is of great importance to MAN Diesel & Turbo and, by allying ourselves with such an important player, we are positioning our technology – and leveraging our know-how – optimally."

"MAN and CCS have established a strong and reliable relationship throughout these recent years", said Sun Feng at the ceremony. "Meanwhile, we look forward to our cooperation in Intelligent Ship research and a successful outcome in the years to come."

The Agreement is an implementation agreement under the Framework Agreement for Technical Cooperation signed by both parties back in 2013. MAN Diesel & Turbo and CCS have since strengthened their cooperation within the fields of ship technology, ship-type research and development, and especially within environmentally-friendly technologies.

In April 2015, CCS awarded MAN Diesel & Turbo's entire four-stroke engine portfolio the world's first SCR IMO Tier III Approval in Principle, which represented an important milestone in their collaboration.

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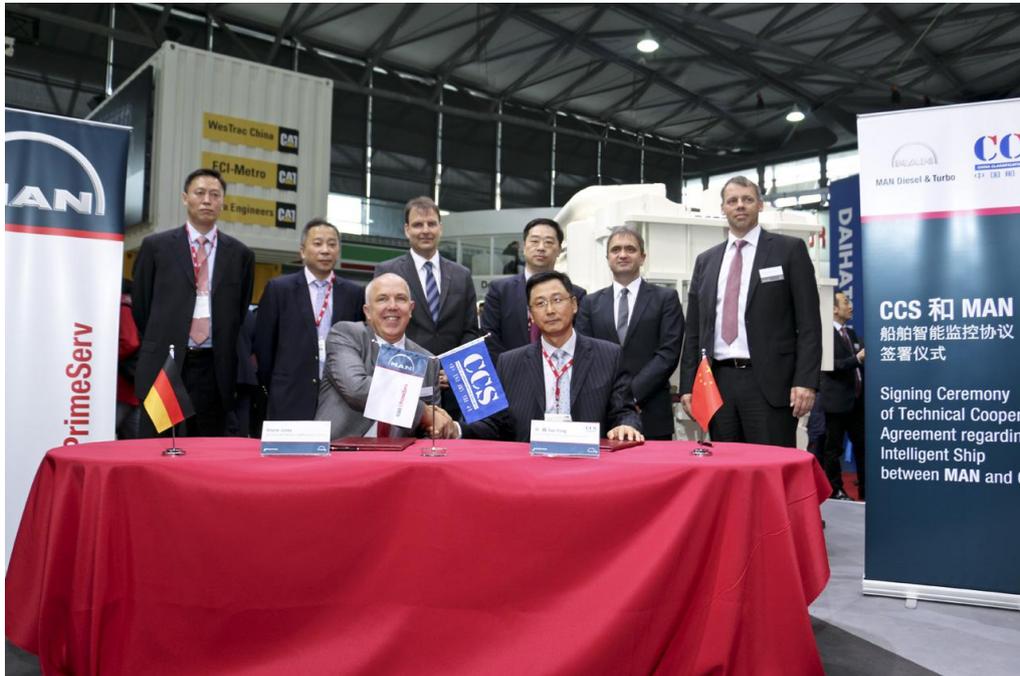
Online service and the Intelligent Ship concept

CCS also took the opportunity at Marintec to present MAN Diesel & Turbo with a class approval for its PrimeServ Online Service, which is a further step towards the Intelligent Ship concept and more safety for ship owners.

This remote monitoring service makes it possible to diagnose machinery at any time and from any location and is a service MAN PrimeServ, MAN Diesel & Turbo's service division, has offered successfully for many years. Based on transferred and stored engine data, PrimeServ experts analyse the data and provide recommendations for the operation, maintenance and repair of the engines.

Wayne Jones said: "This type of monitoring plays an increasingly significant role in our industry and is the cornerstone for further digital services such as electronic, condition-based maintenance."

The Intelligent Ship is set to be a major trend in the future within the shipping industry where it is predicted that the collection and usage of big data will help to increase efficiency, promote technological progress, save costs, and offer new types of condition-based maintenance – ultimately leading to research into unmanned vessels. As the world's leading provider of large-bore diesel engines, MAN Diesel & Turbo already offers electronic, condition-based maintenance solutions. In the coming years, it will work more closely with CCS in this regard in order to leverage the opportunities that digitalisation offers.



Pictured at the signing of the Technical Cooperation Agreement at Marintec 2015 in Shanghai between CCS and MAN Diesel & Turbo: (back row, from left to right) Yan Zhao, Head of Operations, CCS; Zhongmin Yang, Director of CCS Shanghai Rules & Research Institute; Ralph Klaunig, Head of Centre of Competence Asia Pacific, SBU-E, MAN Diesel & Turbo; Minjie Tang, General Manager, CCS, Shanghai Branch; Uwe Lauber, CEO MAN Diesel & Turbo; Dr Manfred Günter Biedermann, Head of MAN Diesel & Turbo, China.

(front row, from left to right) Wayne Jones, Board Member for Sales, MAN Diesel & Turbo and Feng Sun, Vice President, CCS



中国船级社
MAN Diesel & Turbo SE

技术合作框架协议
Framework Agreement for Technical
Cooperation

between

China Classification Society

and

MAN Diesel & Turbo SE

2013年12月04日
Dated: Dec. 04, 2013

Press Release

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About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel engines and turbomachinery. The company employs around 14,500 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company's product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.

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