Press Release

RENK Aktiengesellschaft

Augsburg, September 9, 2014
No. 2/2014

Gear specialist RENK presenting its AED® at SMM 2014

At SMM 2014, RENK AG is displaying its Advanced Electric Drive (AED), a system whereby high-speed electric motors are combined with a reduction gear unit. This is an alternative to a direct-drive electric system with its big, space-consuming and heavy motors running at propeller speed. What makes RENK AED® so special is that the electric motor and gear unit are arranged on the same elastically mounted raft. The special advantages: compact footprint, easy installation, low weight, and incomparably quiet operation. With this lightweight and ultra-quiet electric drive module designed for both military and non-military vessels RENK is addressing the rising demand for electric propulsion systems.

Applications for RENK AED®:

• Megayachts: low-noise main propulsion
• Research vessels: low-noise main propulsion
• Fishery protection vessels: low-noise main propulsion
• Special vessels such as cable- or pipe-laying ships: main propulsion
• Corvettes, frigates: silent running and low speed
• Submarines: low-noise main propulsion

In all these applications, RENK's AED® integrates perfectly with the onboard electrical system and replaces the commonly used direct-drive motor. RENK’s AED® is available in four ratings, from 1.4 to 6 MW.

For download go to www.renk.eu / Press

RENK AG is a manufacturer of special gear units and transmissions for tracked vehicles, industrial plants and the shipbuilding industry as well as components for propulsion technology and test systems, supplying customers all over the world. On the world market the company holds a leading position for automatic transmissions for tracked vehicles, gears for navy vessels and horizontal slide bearings.

MAN SE, Munich holds a majority share of RENK AG. The MAN Group is one of Europe’s foremost industrial players in the sector of Transport-Related Engineering.
Direct drive for megayachts and research vessels
Supplementary propulsion system for frigates and corvettes