



Gear specialist RENK presenting its AED[®] at SMM 2014

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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 light-weight and ultra-quiet electric drive module designed for both military and non-military vessels RENK is addressing the rising demand for electric propulsion systems.

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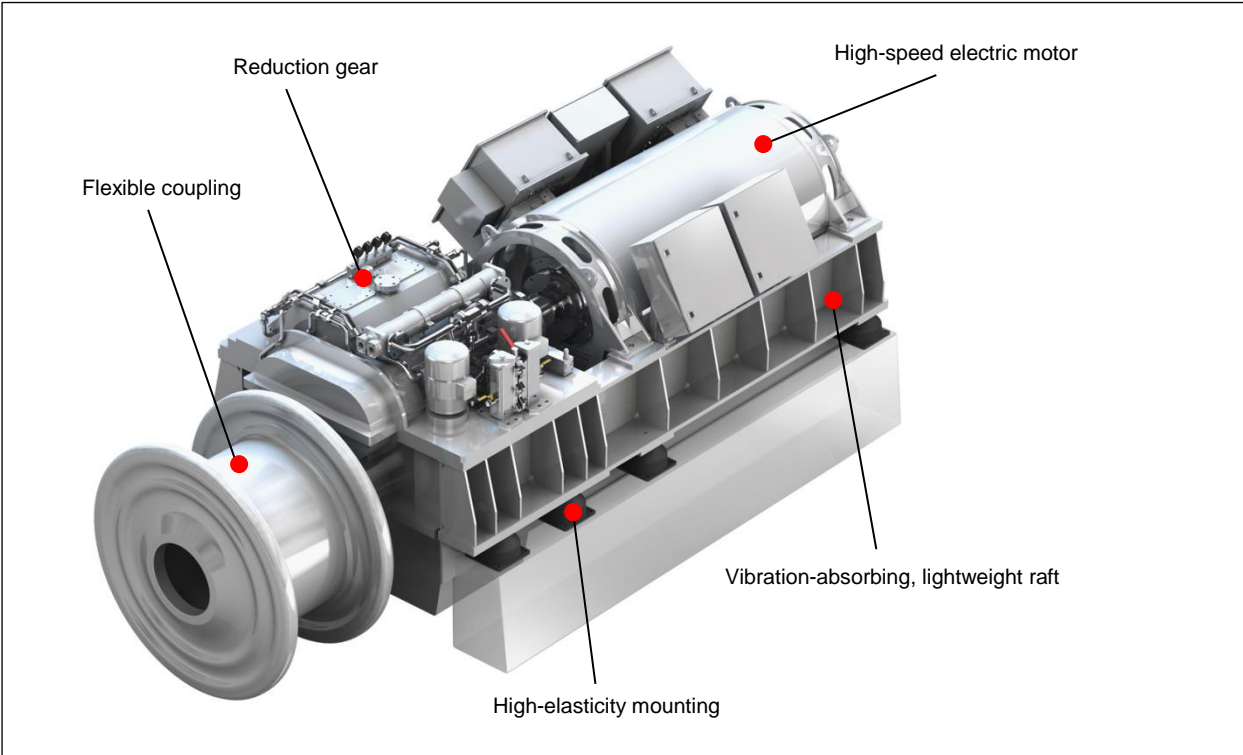
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Applications for RENK AED[®]:

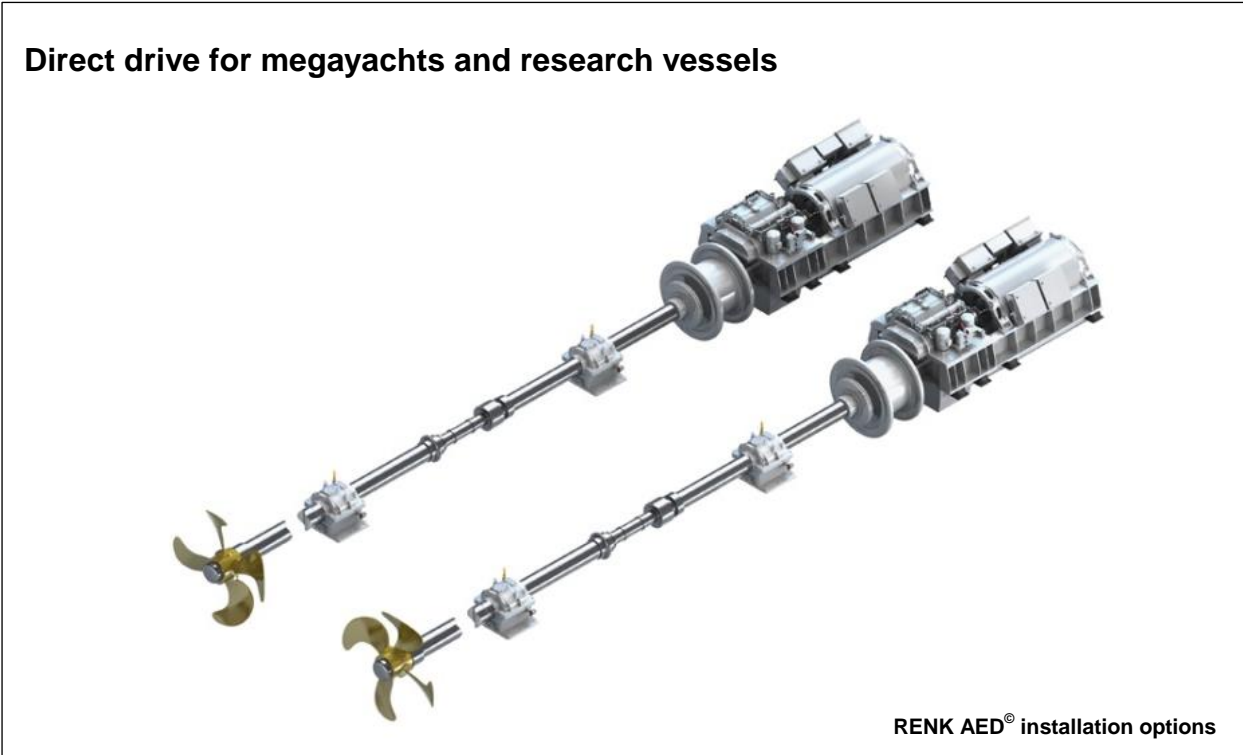
- Megayachts: low-noise main propulsion
- Research vessels: low-noise main propulsion
- Fishery protection vessels: low-noise main propulsion
- Special vessels such as cable- or pipe-laying ships: main propulsion
- Corvettes, frigates: silent running and low speed
- Submarines: low-noise main propulsion

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.

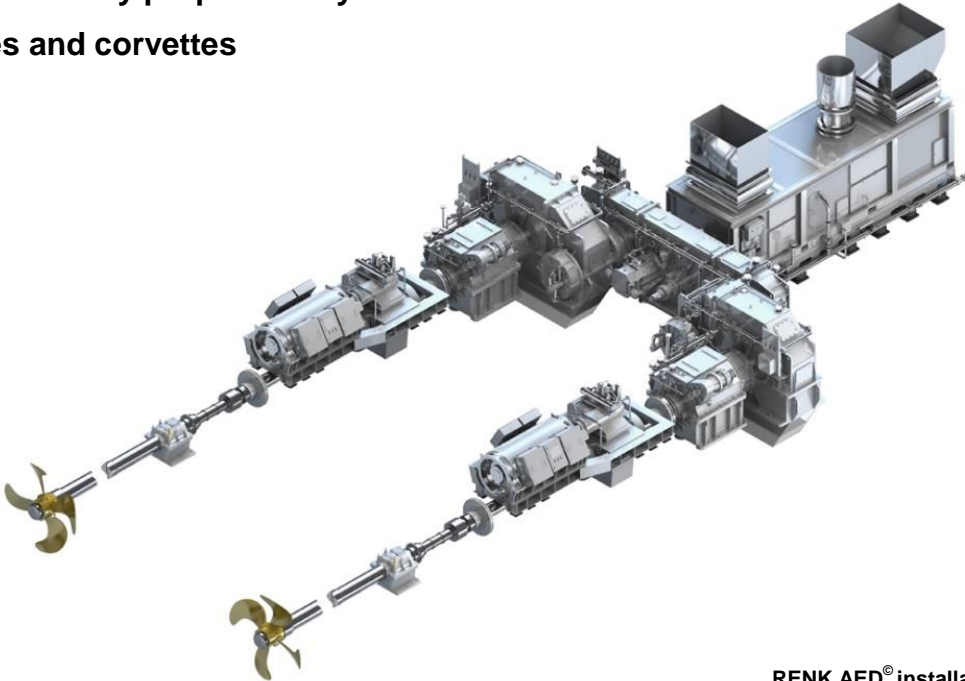
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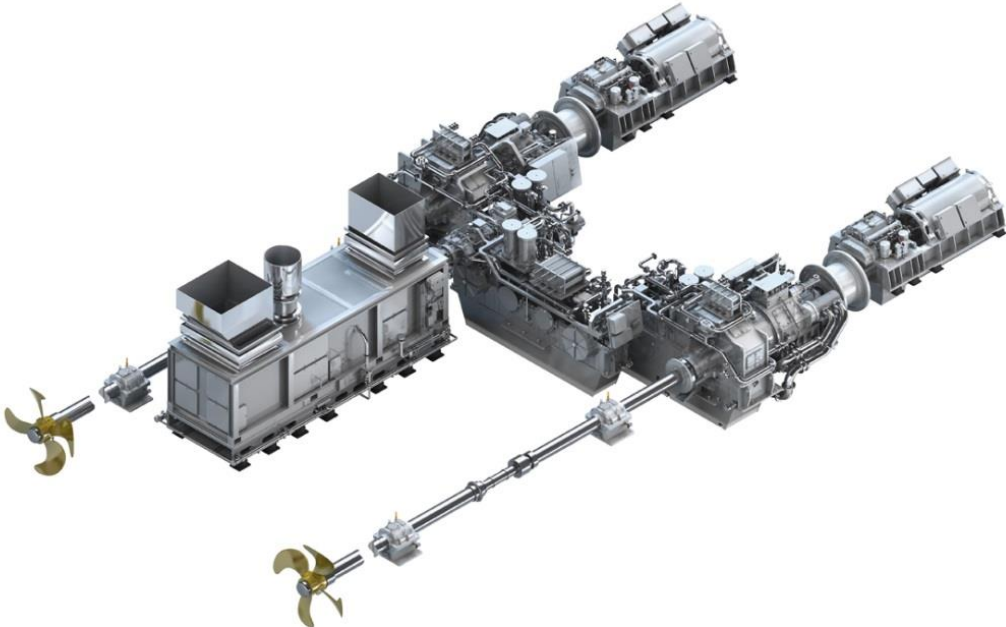
RENK AED®



**Supplementary propulsion system for
frigates and corvettes**



RENK AED® installation options



RENK AED® installation options