

## News Release

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### **Anschütz provides Gyros for polar vessels**

**The German navigation system manufacturer Raytheon Anschütz has supplied an advanced gyro compass system for two 25,000 dwt polar class heavy transport vessels for operation north of 70° LAT.**

The vessels, “AUDAX” and “PUGNAX”, were built at Guangzhou Shipyard International (GSI) in China for Red Box Energy Services, a company specialized in high-value offshore and onshore energy services. Built in accordance with the demanding DNV NAUT-AW and highest ice class notations, the vessels use state-of-the-art Anschütz instrumentation that enable year round operation in the most challenging polar conditions – including temperatures below -40° C . The vessels have been deployed for module transportation for the Yamal LNG project in Russia.



Raytheon Anschütz supplies these high-tech vessels with a comprehensive and advanced dual gyro compass system complete with redundancy in distribution and well as a steering gear control system. This includes the top-of-the-range NP 5500 fully adaptive autopilot for maximum precision in heading and track control steering.

The gyro system integrates two maintenance-free, strap-down gyro compasses, which use hemispherical resonator gyros (HRG) for measuring angular rates. The new technology offers superior lifetime performance and outruns the long-term stability of traditional fibre-optical gyros (FOGs).

Anschütz gyro compasses are well known for their accuracy and reliability even under harshest environmental conditions. The sensors will deliver highest levels of precision and operational safety to support the demanding mission profile of the new artic vessels. The system includes typical features of an Anschütz gyro systems such as the automatic speed- and latitude error correction, an individual speed error correction mode, an independent transmitting magnetic compass path, and quick settling.

#### **Picture:**

“AUDAX” sailing in ice

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#### **Note for the editor:**

#### **About Raytheon Anschütz**

Raytheon Anschütz GmbH is a subsidiary of the Raytheon Company and a leading integrator of maritime systems such as bridge and navigation systems for all kinds of commercial vessels and naval ships, or maritime and coastal surveillance systems. More than 35,000 vessels worldwide are equipped with Raytheon Anschütz navigation systems, backed with a global network of owned subsidiaries and regional offices, e.g. in Shanghai, Singapore, Rio de Janeiro, Panama, San Diego, and Portsmouth / UK, as well as with a network of specialized service stations around the world. More information: <http://www.raytheon-anschuetz.com>