

### Acquiring the World's First\* ABS CyberSafety® Product Design Assessment (PDA) Certification for Marine Vessel Engine Remote Control Systems

Nabtesco Corporation (headquarters: Chiyoda-ku, Tokyo; President and CEO: Kazumasa Kimura) acquired CyberSafety® Product Design Assessment (PDA) certification from the American Bureau of Shipping (hereinafter “ABS”) for its marine vessel engine remote control systems (M-800 series) in January 2023. The ABS is a public testing and certification body for marine vessels, and by being granted the certification from the Bureau, Nabtesco became the first recipient of ABS CyberSafety® PDA certification for marine vessel equipment.

Recently in the marine vessel industry, there have been more attempts to develop ships equipped with advanced control technologies, including autonomous ships. However, on the other hand, the number of cyberattacks targeting ships has been increasing, making it even more important to implement anti-cyberattack measures for marine vessel equipment. Nabtesco’s marine vessel engine remote control system is designed to enable the remote control of the main engine and main propulsion equipment (propellers) of a ship from the ship’s bridge and/or control room, and ensuring cyber security is a requirement that should be met for higher navigation safety.

Nabtesco, based on its early recognition of the importance of ensuring cyber security, had been striving for the acquisition of the ABS CyberSafety® PDA certification and became the world’s first recipient of the certification for marine vessel equipment. Going forward, Nabtesco will work to meet the requirements set by the International Association of Classification Societies and contribute to labor saving and environmental impact reduction for ships by developing cyber-secure autonomous navigation technologies and new environment-friendly products.



Marine vessel engine remote control system (M-800-V)



Marine vessel engine remote control system (M-800-VII)



ABS CyberSafety® certificate

\*World's first ABS CyberSafety® PDA certification

<https://news.cision.com/american-bureau-of-shipping/r/abs-issues-world-s-first-main-engine-control-system-abs-cybersafety--equipment-certification-to-nabt,c3726142>

[About Nabtesco] <https://www.nabtesco.com/en/>

Nabtesco was established through the integration of Teijin Seiki Co., Ltd. and NABCO Ltd. in 2003. Based on its unique motion control technology, Nabtesco manufactures components for machines to support the automation of production facilities and to provide safety, comfort and a sense of security for land, sea and air transportation.

Nabtesco started the marine vessel equipment business in 1950 and now has a market share of about 50% in Japan and about 40% in the world for marine vessel engine remote control systems, which represent its core product in the business. The company also offers control equipment for auxiliary propulsion systems, electronic governor systems, and electronically controlled hydraulic valves for use in electronically controlled engines. It has marine vessel equipment production bases in the city of Kobe, Hyogo Prefecture, the city of Busan in South Korea and the city of Shanghai in China and also has service bases for the equipment in Singapore and the Netherlands.