

Press Release

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Fraunhofer IGP honours NVL shipyard in Wolgast

Innovation and Technology Award 2025 for Peene-Werft Shipyard

- The Peene-Werft shipyard in Wolgast, Germany has been awarded the Innovation and Technology Award 2025 by the Fraunhofer Institute for Large Structures in Production Engineering (IGP) today
- With this award, the institute recognises the successful collaboration on the development of a “seeing robot” for specialised shipbuilding

At the NVL shipyard in Wolgast, an innovative welding system was implemented in cooperation with Fraunhofer IGP. The system operates on the basis of advanced 3D sensor data and generates production programmes independently of conventional design data.

Wilko Flügge, Director of Fraunhofer IGP, emphasises: “At Peene-Werft, the development of the seeing robot for specialised shipbuilding has been taken to a new level.” The aim of the partnership is to develop flexible, automated and economically efficient welding technologies for bespoke maritime production. By using innovative 3D sensor technology and intelligent scanning strategies, component geometries can be captured with precision and customised welding programmes can be generated automatically. This significantly enhances both process reliability and productivity in shipbuilding.”

“The award confirms our commitment to consistently transferring technological innovations into industrial practice,” says Harald Jaekel, Managing Director of Peene-Werft. “Together with strong research partners, we are developing solutions that make our production more flexible, efficient and future-proof – particularly in the demanding field of specialised shipbuilding.”

The Innovation and Technology Award of Fraunhofer IGP has been presented annually since 2018 for outstanding achievements in production engineering and highlights the technological, economic and societal added value of close collaboration between research and industry.

About NVL

NVL is a group of renowned northern German shipyards and related companies. We deliver tailored, smart and cost-effective naval solutions and provide our customers with comprehensive services throughout the entire life cycle of their fleets – keeping the German Navy and navies around the world mission-ready at all times. As a pioneer in the research and the development of autonomous naval surface platforms, we develop innovative technologies in cooperation with established partners to offer our customers comprehensive solutions for manned-unmanned teaming (MUM-T).

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