MEDIARELEASE

▶ *POWER SYSTEMS*

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Rheinmetall achieves milestone in the future-oriented field of hydrogen – major order for storage and transport systems in sight from renowned supplier of renewable green hydrogen

A major producer and supplier of renewable green hydrogen intends to place the first major order with the technology corporation Rheinmetall in the field of hydrogen storage and transport systems, with a contract volume in the mid double-digit million Euro range.

A corresponding letter of intent (LoI) for the framework contract in the mid double-digit million Euro range includes the delivery of one hundred multiple-element gas containers (MEGC) of various sizes. These MEGCs are used for transporting large quantities of technical gases such as hydrogen, and play a crucial role in the future climate-neutral energy supply. With the letter of intent, the technology corporation has reached an important milestone in the corporation's relatively short history of MEGC development. The first MEGC is scheduled to be delivered at the beginning of 2026. The customer is a major European manufacturer and supplier of renewable green hydrogen.

Philipp Engl, INVENT H2 business field manager: “We are very proud of having acquired our first major customer for our innovative product in such a short time, and thus can further establish the recently set-up business field of hydrogen storage and transport systems for Rheinmetall”.

Rheinmetall's innovative Multiple-Element Gas Container is equipped with advanced Type-IV hydrogen pressure tanks that allow pressures of up to 700 bar. These pressure tanks are characterised by a shortened winding time, the reduced use of carbon fibres and an increased storage capacity. The system offers a convenient all-in-one solution which also includes a smart service and maintenance support. The scalable length is between 20-40 feet. The containers can hold up to 1,000 kg (380 bar) of hydrogen.

The National Hydrogen Strategy is aiming at making Germany climate-neutral by 2045 which, in accordance with the Strategy, will require a higher demand of hydrogen. Being the energy source of the future, hydrogen is therefore expected to play a key role in the future energy mix. In this context, the transportation of hydrogen, being an energy source, plays a crucial role in order to ensure an

▶ Key facts

- Rheinmetall achieves milestone in hydrogen technology: first major order for storage and transport systems in sight
- Customer is a major producer and supplier of renewable green hydrogen
- Rheinmetall successfully establishes new business field
- MEGC with advanced type-IV hydrogen high-pressure tanks

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efficient and secure supply chain, especially for industrial customers. Rheinmetall's MEGCs fully comply with the regulations for movement by all common modes of transport, such as road (ADR), rail (RID) and inland shipping (ADN), and ensure safety and efficiency in storage and transport. In addition, the corporation offers its own trailers for the safe transport of the containers.

The promising conversations currently being held with other potential customers emphasise Rheinmetall's prospects of gaining a further foothold in the future-oriented hydrogen market with innovative solutions.

Within the Rheinmetall Corporation, the Power Systems division is a system supplier of high-quality and innovative (mobility) solutions, control technologies and digital applications for the automotive and energy industries. This includes balance-of-plant (BoP) components for hydrogen fuel cell systems as well as electrodes for electrolysers. The portfolio is being expanded to include hydrogen storage systems such as multiple-element gas containers (MEGCs). This expansion is a core element of Rheinmetall's comprehensive hydrogen strategy, which aims at replacing fossil fuels with green hydrogen. The strategy focusses on the development and advancement of hydrogen technologies in the areas of production, storage, distribution and use, as well as the development of innovative fuel cell solutions to support zero-emission mobility and the decarbonisation of industries.

More information on the product:

www.rheinmetall.com/en/H2-MEGC