

PRESS RELEASE

Strategic partnership between Purem by Eberspaecher and Topsoe

- **Purem by Eberspaecher supporting Topsoe's development and production of solid oxide electrolysis cells**
- **New market segments for the exhaust technology and acoustics specialist**

Esslingen (Germany) / Lyngby (Denmark), 18 January 2024 – **Purem by Eberspaecher is systematically expanding its portfolio to include solutions for a clean future, especially in the growing hydrogen sector. The strategic partnership between the exhaust specialist and Topsoe is now focused on the production of this energy source. Purem by Eberspaecher provides its expertise in flow control and the handling of corrosive media to support Topsoe's production of high-efficient electrolyzers.**

Symbolic signature: The top management of Purem by Eberspaecher and Topsoe, a Danish technology company for catalysis and decarbonization, signed a Letter of Intent in Prague for a strategic cooperation between the two companies. For the exhaust technology and acoustics specialist, this marks an important first step towards entering future market segments.

Holistic approach towards the hydrogen market

For decades, Purem by Eberspaecher has consistently focused its portfolio on the needs of its customers. For the rapidly growing hydrogen market, the company already offers various solutions for both [fuel cell systems](#) and the [hydrogen engine](#). However, before hydrogen can be used in a wide range of applications, it must be produced in sufficient

quantities – and this is precisely where the industry is currently facing major challenges. Purem by Eberspaecher therefore takes a holistic view of hydrogen and contributes its core competencies to the production of the energy carrier.

Core competencies help industrialize new technologies

The Danish company Topsoe is a global leader in carbon emission reduction technologies and a provider of Power-to-X solutions, i.e. processes that convert green electricity into chemical energy carriers for electricity storage or further use. As part of the strategic collaboration between Purem by Eberspaecher and Topsoe, the exhaust specialist contributes its expertise in flow control and the handling of corrosive media at high temperatures and pressures. Purem by Eberspaecher is thus making a significant contribution to the industrial scaling of the electrolysis process. The goal is to support Topsoe's development and production of the company's solid oxide electrolysis cell (SOEC), which generates hydrogen from water with a high degree of efficiency. It consists of several hundred individual cells, which are stacked and connected together. Using the principle of electrolysis, electricity is used to split incoming water vapor into hydrogen and oxygen.

Versatile use of the energy source

High-temperature electrolysis is a relatively new process which that is highly efficient and requires relatively little energy compared to existing technologies. The resulting hydrogen can be used for chemical products and in steel production, for example. Hydrogen also makes an important contribution to clean mobility, as it can be used to produce e-fuels, among other things.

Caption:

- *Purem by Eberspaecher CEO Marcus Knödler (right) and Topsoe CEO Power-to-X Kim Hedegaard (left) sign a Letter of Intent for the strategic partnership in the field of electrolysis.*

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About Purem by Eberspaecher:

Purem by Eberspaecher is a subsidiary of the Esslingen-based Eberspaecher Group. To achieve clean and quiet mobility, more than 7,100 employees develop and produce exhaust and acoustic systems for passenger cars, CVs, and off-road vehicles. The technologies make a significant contribution to meeting the strictest emission standards and noise guidelines. Its customer base includes the world's leading vehicle manufacturers. In 2022, the area within the group of companies generated revenue of around 5.7 billion euros. Net revenue adjusted for transitory items amounted to 1.9 billion euros.

About Eberspaecher:

With approximately 10,700 employees at 80 locations worldwide, the Eberspaecher Group is one of the automotive industry's leading system developers and suppliers. The family business, headquartered in Esslingen am Neckar, stands for innovative solutions in exhaust technology, automotive electronics and thermal management for a broad range of vehicle types. In combustion or hybrid engines and in e-mobility, the components and systems from Eberspaecher ensure greater comfort, higher safety and a clean environment. Eberspaecher is paving the way for future technologies such as mobile and stationary fuel cell applications, synthetic fuels as well as the use of hydrogen as an energy carrier. In 2022, the Group generated revenue of around 6.4 billion euros. Net revenue adjusted for transitory items amounted to 2.7 billion euros.