

News Release

Hyundai Accelerates Hydrogen Technology Development through Strategic Investments

- Hyundai to invest in Impact Coatings, H2Pro and GRZ Technologies for fuel cell, hydrogen production, and hydrogen storage technologies
- The investments will strengthen Hyundai's hydrogen leadership with expanded infrastructure and efficient FCEV manufacturing

SEOUL, October 30, 2019 — Hyundai Motor Company announced key investments into three hydrogen companies – Impact Coatings, H2Pro and GRZ Technologies – to strengthen its leadership position in the global hydrogen fuel cell ecosystem.

The strategic investments come at a time of heightened demand for fuel cell technology. The collaboration with industry leading players will enable Hyundai to expand its hydrogen infrastructure and enhance the efficiency of its fuel cell electric vehicle (FCEV) manufacturing.

“Our investment in these innovative companies will reduce the production cost of FCEVs and enhance the safety and affordability of hydrogen infrastructure,” said Youngcho Chi, President and Chief Innovation Officer at Hyundai Motor Group. “We hope to accelerate the widespread adoption of hydrogen technology by making FCEVs more accessible for our customers.”

Impact Coatings

Impact Coatings AB is a leading supplier of PVD¹-based coating solutions for fuel cells, offering coating materials, machines, and services. The Swedish company's ceramic coatings are cost-efficient substitutes for precious metals used in fuel cell production. Under the new joint development agreement, Hyundai and Impact Coatings will jointly research and develop a new generation of materials, processes and equipment for a variety of applications, including fuel cells and hydrogen production.

¹ Physical Vapor Deposition

H2Pro

H2Pro is an Israeli startup that developed the E-TAC (electrochemical, thermally active chemical) water splitting technology, which is efficient, affordable, and safe. H2Pro's technology will allow Hyundai to lower the cost of hydrogen production, which will in turn reduce the price of hydrogen for customers. This marks Hyundai's second investment into the startup since Hyundai CRADLE Tel Aviv first announced the partnership in November 2018.

GRZ Technologies

GRZ Technologies is a company based in Switzerland specializing in energy storage in hydrogen form. Its technology stores hydrogen more safely at lower pressure with higher density, while its proprietary compression technology is also more affordable. Hyundai's agreement with GRZ will accelerate the company's efforts to commercialize hydrogen infrastructure for greater accessibility to customers.

Hyundai Motor is a world leader in the development of hydrogen fuel cell technology. It became the world's first automaker to commercialize fuel-cell electric vehicles with the introduction of ix35 Fuel Cell (also known as Tucson Fuel Cell) in 2013. Hyundai's second-generation FCEV, the NEXO, has a range of over 609 kilometers and emits clean water vapor and purifies the air while driving.

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About Hyundai Motor Europe HQ

Hyundai Motor Europe HQ was formally established in 2000 with its main office in Offenbach, Germany. Hyundai currently sells cars in 41 European countries through 3,000 outlets and in 2018 achieved registrations of 543,292 vehicles in the region – an increase of 3.9 percent compared to 2017, a higher rate than the market average. 2018 was the fourth consecutive year with a record sales result. 75 percent of the vehicles Hyundai sold in the region are models designed, engineered, tested and built in Europe to meet the needs of European customers, served by the company's extensive European infrastructure. This includes two factories in the Czech Republic and Turkey, which have a combined annual capacity of 600,000 units. Hyundai is proud to offer the youngest product line-up in Europe: 90 per cent of the models are less than two years old. Hyundai offers its unique Five Year Unlimited Mileage Warranty package with all new cars sold in the region, providing customers with a five-year warranty with no mileage limit, five years of roadside assistance and five years of vehicle health checks.

More information about Hyundai Motor Europe HQ and its products is available at www.hyundai.news.

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Contact**Florian Buengener**

Deputy General Manager Corporate & Brand PR

fbuengener@hyundai-europe.com

+49(0)69 271472 – 465

Beatrice Luini

Corporate & Brand PR Specialist

bluini@hyundai-europe.com

+49(0)69 271472 - 466

About Hyundai Motor

Established in 1967, Hyundai Motor Company is committed to becoming a lifetime partner in automobiles and beyond with its range of world-class vehicles and mobility services offered available in more than 200 countries. Employing more than 110,000 employees worldwide, Hyundai sold more than 4.5 million vehicles globally. Hyundai continues to enhance its product line-up with vehicles that are helping to build solutions for a more sustainable future, such as NEXO – the world's first dedicated hydrogen-powered SUV.

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