PRESS RELEASE **15.07.2025**

Akfen Renewable Energy's Hydrogen Project "HYDROMOD" Awarded €3.4 Million Grant from the European Union

Developed under the coordination of Akfen Renewable Energy, the HYDROMOD project has been awarded a €3.4 million grant from EUREKA, one of Europe's leading R&D support platforms. Aiming to pioneer clean mobility infrastructure through mobile and modular hydrogen refueling stations, the project will be tested in real-world conditions over a three-year period.

Carried out through the collaboration of partners from **Türkiye and South Korea**, the HYDROMOD project will deliver a **flexible, safe, and sustainable energy solution** by integrating **artificial intelligence, sensor technologies, and Industrial Internet of Things (IIoT)** systems. Contributing to climate neutrality goals, the project is set to open a new chapter in the hydrogen ecosystem.

The **Mobile Hydrogen Refueling Station (HYDROMOD) Project**, coordinated by **Akfen Renewable Energy Inc.**, has qualified for support under the **Eurogia2030 program** within **EUREKA**, an international R&D platform established by European countries and the European Commission. With a total budget of **€3.4 million**, the project has been deemed eligible for **partial grant funding**.

HYDROMOD aims to develop **modular and mobile hydrogen refueling stations (HRS)** to enable the safe, efficient, and flexible distribution of hydrogen. Offering an innovative solution to challenges such as **high installation costs and limited flexibility** associated with fixed systems, the project will also comply with **SAE J2601** and **ISO 19880** standards.

EXPECTED TO BE COMMISSIONED WITHIN THREE YEARS

Designed to be integrated with **artificial intelligence, sensor technologies, and the Industrial Internet of Things (IIoT)**, the system will be tested in the field as a **scalable, secure, and deployable solution** suitable for both urban and rural areas. The project aims to reach **Technology Readiness Level (TRL) 6** within three years.

Upon successful completion, HYDROMOD is expected to validate its **performance and cost efficiency** through operational testing, contribute to the widespread adoption of **clean mobility infrastructure**, and directly support **climate neutrality targets**.

The HYDROMOD Project is being implemented through the collaboration of expert institutions from **Türkiye and South Korea**. On the Turkish side, **Akfen Renewable Energy Inc.** serves as the project coordinator. Partners include the **Ulsan National Institute of Science and Technology (UNIST)** from South Korea, while project activities in Türkiye will be coordinated under the supervision of the **Scientific and Technological Research Council of Türkiye (TÜBİTAK)**, Eurogia's national representative.

“WE ARE TAKING A LEADING ROLE IN THE HYDROGEN ECOSYSTEM”

Commenting on the project’s acceptance, **Mustafa Kemal Güngör**, General Manager of Akfen Renewable Energy, stated:

“With the HYDROMOD Project, Akfen Renewable Energy aims not only to contribute to the energy infrastructure of the future but also to strengthen our country’s technical expertise in the field of hydrogen. Thanks to mobile and modular systems, it will be possible to develop more flexible and sustainable solutions during the transition to clean energy. The strong partnerships we have built and the support we have received from Europe are of great importance in confirming both the vision and feasibility of our project.”

About Akfen Renewable Energy

*Founded in **2007** under **Akfen Holding**, **Akfen Renewable Energy Inc.** established Türkiye’s first renewable energy platform investing exclusively in **domestic and renewable resources**. In **2016**, the **European Bank for Reconstruction and Development (EBRD)** and the **International Finance Corporation (IFC)** became shareholders of the company. Following a share transfer completed on **January 18, 2023**, **Akfen Holding** became the sole owner of the company’s shares.*

*Akfen Renewable Energy operates a **balanced, fully renewable energy generation portfolio** of approximately **783 MW**, consisting of **hydroelectric, wind, and solar power plants** located across **18 provinces in Türkiye**, each positioned in regions with the most suitable natural resources for their respective technologies. Following its **initial public offering in March 2023**, **33.5% of the company’s shares** began trading on **Borsa Istanbul** under the ticker **AKFYE** as of **March 16, 2023**.*