

#itspossible



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From green hydrogen to wastewater systems...

YEO presents the future of energy for a clean world today



Renewable energy and energy technologies brand YEO draws attention to energy technologies for a more livable world on Earth Day, April 22. It offers solutions in more than 30 countries to ensure sustainability in the energy sector in different fields from green hydrogen to battery storage systems, from wind and solar energy to waste water treatment systems.



Producing sustainable energy projects in Türkiye and other countries around the world, YEO Technology continues to work for a more livable world. YEO draws attention to sustainability in the energy sector on April 22, Earth Day, which is celebrated worldwide to draw attention to environmental problems. YEO provides solutions in **more than 30 countries** to ensure sustainability in the energy sector in different areas from green hydrogen to battery storage systems, wind and solar energy to wastewater treatment systems. YEO Technology accelerates its efforts for a clean future while protecting natural resources:

Working for green hydrogen

YEO Technology is focusing on hydrogen studies that will carry Türkiye to the top of the green transformation. It is working to offer solutions to produce green hydrogen with renewable energy. Carrying out activities in this field in Türkiye, YEO Technology established its subsidiary named **YEO Hydrogen** in Germany for the European market.

Establishing a battery production plant

YEO Technology launched the **Reap Battery** Technologies project at the end of last year, an initiative in which it will again use technology. Established to develop and produce energy storage solutions, Reap Battery Technologies will work to support the clean and digital energy transformation under the Reap Battery brand. With this goal, a plant will be built to produce **1 GWh of energy storage** systems **annually** to ensure the achievement of **Net Zero Climate** targets.

10 thousand cubic meters of water to be recovered

Creating renewable energy and engineering projects under the slogan '**A cleaner world is possible**', YEO Technology has successfully completed and delivered the waste water treatment plant it undertook in Kosovo. With the Waste Water Treatment Plant in the city of Yakova, **10 thousand cubic meters** of water per day will be returned to nature.

Developing hybrid projects

YEO Technology produces projects for a cleaner future with hybrid solutions that bring together multiple renewable energy systems. Carrying organizations to a carbon-free future with hybrid systems by integrating solar or wind energy into existing power plants, YEO continues to grow in this field in Türkiye.

Environmentally friendly HEPP technology

YEO also produces environmentally friendly technologies with its subsidiaries. **Mikrohes**, of which it is a shareholder, offers a renewable energy system that is completely environmentally friendly. **With the Archimedes Screw turbine, energy can be produced in waters with low flow and drop.** The system, which is **nature and fish friendly**, is shown as the technology of the future in this field as a **zero-carbon** method **that does not disturb the balance of the region** where it is located.



Cathode production with artificial intelligence

YEO is also partnering with **Ni-Cat Battery** Technologies, a local initiative that has carried out important technological works in a short time. YEO aims to achieve a leading position in Türkiye and around the world with Ni-Cat, which carries out **artificial intelligence-supported new generation cathode production** and **R&D** for batteries. The cathode produced is used in the production of new generation batteries for energy storage and electric vehicles.

Contributed as much as 8 million trees

Working with the motto 'We think a clean and livable world is possible', YEO installed over **150 MW** of land and rooftop SPP plants in 2022. This figure corresponds to the emissions reduced by **8 million trees**.

For a cleaner world

Emphasizing that they offer one-stop integrated solutions for energy and digital transformation, YEO Technology CEO Tolunay Yıldız said, "As YEO Technology, we continue to work for a sustainable world. Our goal is to protect natural resources and leave a cleaner world to future generations. Using innovative technologies, we continue on our way by strengthening our role in the energy sector worldwide. We carry out clean energy projects both in Türkiye and Europe. **With more than 225 projects in over 30 countries in 3 continents**, we deliver energy and industrial solutions to every corner of the world in Europe, the Middle East, Central Asia, and Africa. We will continue to use technology to reduce emissions and decarbonization."