



KAZANCI HOLDİNG



# AKSA SUSTAINABILITY BULLETIN

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## NEWS FROM AKSA

**GREAT ENERGY  
TRANSFORMATION MESSAGE  
FROM BARIŞ ERDENİZ:  
“CONTINUE INNOVATIVE  
PROJECTS WITH THE ENERGY OF  
YOUNG PEOPLE”!**

**ENERGY WORKERS WEEK  
WAS CELEBRATED WITH  
ENERGY AND HEALTH AT AKSA  
HEADQUARTERS!**

**MINISTRY OF ENERGY AND  
NATURAL RESOURCES  
PUBLISHES 2024-2028  
STRATEGIC PLAN**

## GREAT ENERGY TRANSFORMATION MESSAGE FROM BARIŞ ERDENİZ: “CONTINUE INNOVATIVE PROJECTS WITH THE ENERGY OF YOUNG PEOPLE”!

Mr. Barış Erdeniz, Member of the Board of Directors of Kazancı Holding, Chief Executive Officer of Aksa Electricity Group and Chairman of Elder, gave important messages about the future of the energy sector at the Enerjim Sensin Acceleration Program organized in cooperation with the Energy Market Regulatory Authority (EMRA) and the Electricity Distribution Services Association (Elder).



Mr. Barış Erdeniz highlighted the importance of the “Great Energy Transformation” process in the energy sector and emphasized the strategic role of the electricity distribution sector in this process. In his speech, he said, “As the Electricity Distribution Sector, we are aware of our strategic responsibility in this transformation process. We will continue to invest in innovative projects by taking the energy of our young people with us.”

While the Enerjim Sensin Acceleration Program was organized to support innovative ideas in the sector and guide entrepreneurs, the final event of the program also attracted attention. The projects of successful entrepreneurs on the “Promising Futures” stage presented innovative solutions that will contribute to energy transformation.





# ENERGY WORKERS WEEK WAS CELEBRATED WITH ENERGY AND HEALTH AT AKSA HEADQUARTERS!

Energy Employees Week, organized to honor the contributions of employees working in the energy sector, was celebrated with a healthy event at Aksa Headquarters.



A special vitamin bar was prepared for employees at the Aksa Tasting Days event organized as part of the week. At this event, where freshly squeezed fruit juices such as orange, apple and carrot were served, employees had the opportunity to take a healthy break and renew their energy.

Employees participating in the event had the opportunity to celebrate the meaning and importance of Energy Employees Week together, while adding color to the day with healthy and delicious treats. Such organizations, which increase the happiness of employees, are considered as a reflection of Aksa's understanding of unity, which is among its corporate values.

Kazancı Holding is aware that its success in the energy sector is achieved through the devoted contributions of its employees and continues to organize activities aimed at their health and happiness.



# MINISTRY OF ENERGY AND NATURAL RESOURCES PUBLISHES 2024-2028 STRATEGIC PLAN

The Ministry of Energy and Natural Resources has published its Strategic Plan 2024-2028, prepared to meet Türkiye's energy needs and support sustainable energy targets. The plan includes comprehensive strategies for Türkiye's energy future, ranging from energy supply security to the use of domestic resources, from carbon neutralization targets to the development of domestic technology.



According to the plan, it is aimed to increase the electricity generated from domestic resources to 270 billion kilowatt-hours and the share of domestic resources in electricity generation to 63 percent by 2028. The installed capacity of solar power plants is planned to reach 33,100 megawatts and wind power plants 19,300 megawatts. In addition, 4,800 megawatts of nuclear energy capacity is envisaged to be commissioned.

The plan includes 7 goals and 30 targets, ranging from energy security to mining, carbon neutrality targets to domestic technology development. Increasing electricity generation from domestic sources, strengthening oil and natural gas infrastructure, ensuring the international integration of energy markets and net zero carbon-oriented energy transformation stand out.

In this context, it is aimed to invest in areas such as energy efficiency, renewable energy infrastructure, electric vehicle charging stations and green hydrogen production. In addition, it is aimed to increase the contribution of underground resources to the economy by adopting an environmentally friendly, safe and value-added production model in mining.

The Ministry's strategic plan also includes institutional targets such as accelerating R&D activities for energy and mining markets, developing domestic technology, strengthening digital infrastructures and increasing disaster management capacities. The plan also includes comprehensive steps to ensure that Türkiye achieves its energy independence goals and build a sustainable energy future.

# TÜRKİYE, UNVEILED ITS CLIMATE ROADMAP FOR 2053 GOALS AT COP29

Türkiye presented a comprehensive roadmap for climate action at the COP29 United Nations Conference of the Parties on Climate Change. Within the scope of this strategy, it was announced that strong steps will be taken in key sectors such as energy, industry, agriculture, transportation, buildings and waste to reach the 2053 Net Zero Emission Target. Access to climate finance and accelerating green transformation were also among the important topics on the agenda.



In the energy sector, a target was set to increase the share of renewable resources in primary energy to 50% and the share of nuclear energy to 30%. With these steps, Türkiye aims to meet 80% of its energy demand from carbon-free sources. In addition, investments in low-carbon production technologies in the industrial sector are planned to be increased, significantly reducing emissions in energy-intensive sectors such as cement, iron-steel and aluminum.

The transport sector aims to build 7,000 kilometers of high-speed rail lines by 2053, increase the share of railways in logistics to 22% and increase the number of electric vehicles to 4.2 million by 2035. These efforts are part of a comprehensive strategy to reduce road emissions.

In the waste and agriculture sectors, the zero waste approach and the expansion of organic agriculture are among the priority steps. In water management, a sustainable environment is targeted through comprehensive projects on reducing loss and leakage rates, implementing smart irrigation systems and protecting biodiversity.





# 2024 GLOBAL CARBON BUDGET REPORT PUBLISHED

According to the 2024 Global Carbon Budget report, CO<sub>2</sub> emissions from fossil fuels are expected to increase by 0.8 percent compared to 2023, reaching 37.4 billion tons. Furthermore, it is noted that the peak in emissions is still not on the horizon.



The Global Carbon Budget 2024 report published by the Global Carbon Project predicts that global carbon emissions from fossil fuels will increase by 0.8 percent to 37.4 billion tons in 2024. This increase indicates that emissions will reach the highest level ever recorded. The report emphasizes that the remaining carbon budget to limit warming to 1.5°C could be exhausted within six years at the current rate of emissions.

Data on Türkiye is also noteworthy in the study. It is stated that the country's fossil fuel-based CO<sub>2</sub> emissions in 2023 decreased to 432.1 million tons compared to 2022. However, total CO<sub>2</sub> emissions are estimated to be 41.6 billion tons in 2024, including emissions from land use change on a global scale.

Experts emphasize that there is no sign of a peak in fossil fuel emissions and that emissions need to be reduced urgently. The report states that although emissions from land use change have declined in the last decade, the increase in fossil fuel emissions has kept total emissions at a high level.



# 2024 SET TO MAKE HISTORY WITH RECORD-BREAKING TEMPERATURES

2024 is on track to be the hottest year on record, according to global temperature data. Experts are almost certain that 2024 will reach record temperature levels.



The year 2024 will see global average temperatures reach the highest levels ever recorded, 0.71 degrees above the 1991-2020 average. According to scientists, average temperatures would have to drop to almost zero in the remaining months of 2024 to avoid breaking the record, but this is highly unlikely.

The 1.5 degree limit, one of the most important targets of the Paris Agreement, is likely to be exceeded for the first time this year. With global temperatures expected to rise 1.55 degrees above pre-industrial levels, this indicates that climate targets are becoming more difficult to achieve. Experts note that this one-year exceedance does not mean that the long-term goal has been completely lost, but emphasize that a dangerous threshold is approaching.

Throughout the summer, temperature records were broken, especially in Europe, and the Earth experienced two of the hottest days on record in July. The extreme heatwave in the Mediterranean region is considered “almost impossible” without human-induced climate change. High temperatures continued after the summer, with September and October recording record high temperatures on a global scale.





# HISTORIC AGREEMENTS FOR INDIGENOUS AND AFRO-DESCENDANT COMMUNITIES IN COP16

The UN COP16 Biodiversity Summit, held in Cali, Colombia between October 21 and November 1 with the participation of a delegation from Türkiye, witnessed two important agreements that met the expectations of indigenous peoples and communities of African descent.



The first agreement includes the creation of a special working body under Article 8J of the Convention on Biological Diversity, which empowers indigenous peoples. This arrangement allows indigenous communities to play a direct and effective role in the realization of biodiversity goals. The second agreement emphasizes the status of communities of African descent as key actors in the conservation and sustainable use of biodiversity. These adopted arrangements specifically aim to provide financial support for natural resource conservation and sustainable development initiatives.

In statements made during the summit, it was stated that these agreements will make the role of indigenous communities in achieving environmental goals more visible and serve as a global reference. This initiative, spearheaded by Latin American countries, opens the door to an era in which the knowledge and experience of indigenous and African communities on biodiversity conservation will be utilized more effectively around the world.



# CLIMATE IMPACT AUCTIONS: AN INNOVATIVE MODEL FOR DEVELOPING COUNTRIES

At the COP29 climate talks in Baku, the “Climate Impact Auctions” model, which aims to accelerate climate action in developing countries, attracts attention. This innovative approach aims to ensure efficient and effective use of climate finance through results-oriented incentive.




The “Climate Impact Auctions” proposed by the Public Policy Research Institute aim to transform international climate finance by funding renewable energy projects that deliver low-cost and measurable outcomes. This model incorporates small and medium-sized enterprises into the process while offering a scalable solution for emission reductions and climate adaptation. Over time, the approach is planned to expand to encompass other types of projects, promising an impactful shift in climate finance.

In low and middle-income countries, which account for 72% of global greenhouse gas emissions, accelerating climate action is critical to limiting global temperature rise to 1.5 degrees Celsius. However, the complexity of current financing processes and the channeling of funds to ineffective projects reveal the need for more innovative models. At COP29, the annual financing target of 100 billion dollars for developing countries is expected to be moved forward.

This results-oriented model makes it possible to achieve climate goals faster by ensuring that resources from high-income countries are directed to effective projects. At the same time, it aims to contribute to more efficient use of funds and tangible results by increasing the access of small and medium-sized enterprises to climate finance.



## DID YOU KNOW THESE?



Worldwide, renewable energy accounts for around 30% of global electricity generation.



Since 1990, Türkiye's primary energy supply has increased by 180% and final energy demand by 170%.



Türkiye's per capita primary energy consumption is very close to the world average and only 56% of the European Union average.



In 2023, 36.2% of Türkiye's electricity generation came from coal, 21% from natural gas, 19.3% from hydroelectric power, 10.3% from wind power, 6.7% from solar power, 3.4% from geothermal power and 3.2% from other sources.





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