

## OF THE FUTURE TODAY Highlights of ASPİLSAN Enerji's Successes in 2024 Throughout 2024, ASPİLSAN Enerji made significant strides across a broad range of areas, including defense industry

**ASPİLSAN ENERJİ PRODUCING THE ENERGY** 

projects, sustainability efforts, educational initiatives, and international achievements. Contributing to Türkiye's goal of

energy independence with its domestic and national energy storage solutions, ASPİLSAN Enerji showcased its innovative technologies both nationally and internationally during its 43rd anniversary year. Strengthening Turkey's Energy Independence! Reflecting on the company's accomplishments in

2024, ASPİLSAN Enerji's General Manager, Prof. Ahmet Turan ÖZDEMİR, stated:

country's independence in energy storage. Guided by sustainability, domestic production, and technological innovation, we successfully launched impactful projects spanning the defense industry, environmental awareness, and sustainable economic themes. As one of the companies with the broadest product range across various industries in Türkiye and worldwide, ASPİLSAN Enerji continues to set ambitious

marking another milestone in our journey."

goals annually to advance its processes. In 2024, we achieved notable successes in national projects, Strengthening Our Defense Industry



Space exploration not only unlocks the mysteries of the universe but also serves as a driving force for innovation and

Pioneering in Space Technologies

technological progress. Technologies developed for space programs are utilized across various sectors, enhancing efficiency and boosting employment. Recognizing this potential, Türkiye has taken determined steps to become a strong global actor in the space race. The National Space Program was launched to define Turkey's strategic vision and goals in space, under the coordination of the Turkish Space Agency (TUA). Within this framework, ASPİLSAN Enerji signed the "Space-Qualified Battery Production Framework Protocol" with TUSAS (Turkish Aerospace Industries), marking a turning point in space technologies. This partnership enables the production of high-tech space-qualified batteries in Turkey, strengthening the

country's position as a global actor in the space industry. Additionally, rapid progress has been made in developing rocket batteries.

Modernizing Türkiye's Transportation with ADABÜS As part of the exemplary ADABÜS project for modern transportation transformation in Türkiye, ASPİLSAN Enerji developed battery systems to support a fully independent supply chain ecosystem. The ADABÜS vehicle fleet was deployed in 2024 Representing Türkiye on International Platforms In 2024, ASPİLSAN Enerji showcased its technologies at international exhibitions in the United States, Germany, the Netherlands, Azerbaijan, Saudi Arabia, the United Arab Emirates, and Jordan. These efforts enhanced its global presence while proudly representing Türkiye. The company also achieved significant milestones in national and international certification processes, elevating product safety and quality standards to the highest levels. Despite challenging market conditions, ASPİLSAN Enerji increased its revenue, sustaining growth through domestic production and technological innovation.

University, Erciyes University, and Kayseri University, participated in the event.

ecosystem, further strengthening partnerships and coordination within the sector.

Educational and Environmental Projects for a Sustainable Future

to the European battery value chain. Workshops on Lithium-Ion Battery Fire Suppression ASPİLSAN Enerji places great emphasis on enhancing safety standards alongside its innovative solutions in energy storage. In 2024, the company organized a workshop addressing safety concerns around lithium-ion battery fires.

High-ranking officials from fire departments in Kayseri, Ankara, and Istanbul, along with academics from Sakarya

Under the European Union's Horizon Europe Program, ASPİLSAN Enerji secured funding for three international projects under the "Climate, Energy, and Mobility" theme in 2024, further solidifying its competitive and sustainable contributions

The workshop explored intervention methods for lithium-ion battery fires, preventive measures for overheating scenarios, and cooling techniques. ASPİLSAN Enerji is committed to achieving high standards and quality both in production processes and user safety.

cooperation.

environmental awareness among young people and children. Under the "Sector on Campus" program, initiated through a protocol between the Ministry of Industry and Technology and the Council of Higher Education (YÖK), ASPİLSAN Enerji collaborated with Erciyes University to launch the "Introduction to Battery Management System Design" course during the 2024 Fall Semester. Collaborative Efforts and a Participatory Management Approach

ASPİLSAN Enerji, dedicated to reducing Türkiye's dependence on foreign energy resources, organized a "Collaboration and Coordination Workshop" in March in Kayseri. This event brought together key executives from the defense

Beyond technology and production, ASPİLSAN Enerji actively contributed to education and sustainability initiatives in 2024. Through the "Energy for a Sustainable Future" project, the company aimed to foster waste management and

43 Years of Excellence: Türkiye's Rising Energy Pioneer ASPİLSAN Enerji, with 43 years of expertise, is rapidly progressing toward becoming a global leader in energy solutions across land, sea, air, and space. Strengthening its leadership in cell and battery technologies, ASPİLSAN Enerji continues to boost Türkiye's power in global markets with its international achievements in the aerospace and defense industries.

SAHA EXPO 2024 WITH ITS NEWEST TECHNOLOGIES

ASPİLSAN Enerji participated in the SAHA EXPO International Defence, Aerospace and Space Industry Exhibition held at the İstanbul Expo Center between 22-26 October 2024 with its latest products. Organized by SAHA İstanbul, the largest defence industry cluster in Türkiye and Europe, the exhibition was held under the auspices of the Presidency and

Türkiye's domestic and national production capacity in the defence industry and prepares the ground for international

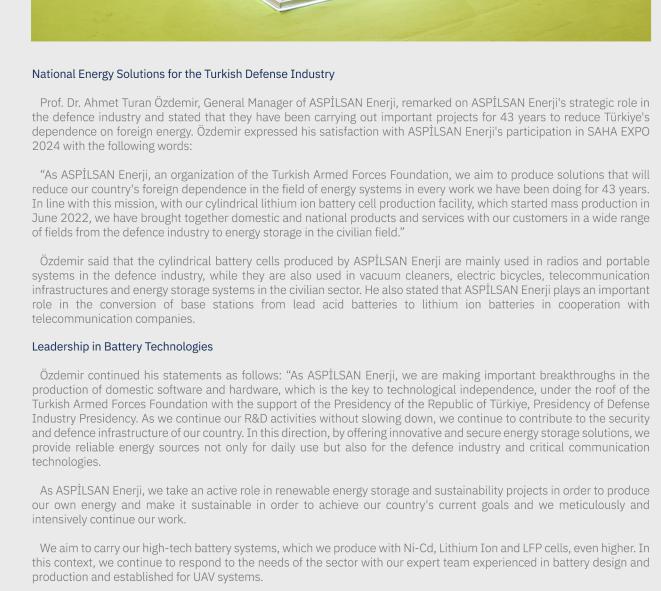
At SAHA EXPO 2024, which brings together the world's leading defense industry companies, ASPİLSAN Enerji also appeared before the sector representatives with its latest technology products developed as domestic and national.

with the support of the Ministry of Foreign Affairs, Ministry of Internal Affairs, Ministry of National Defense, Ministry of Industry and Technology, Ministry of Commerce, Ministry of Transport and Infrastructure, and the Presidency of Defense Industries of the Republic of Türkiye. SAHA EXPO, held under the auspices of the Presidency, is a major meeting and cooperation platform that showcases

**ASPİLSAN ENERJİ TOOK ITS PLACE AT** 

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Thanks to our high-tech engineering solutions, we are intensively working on the development of strategically important products such as torpedo batteries. With our innovative approaches in this field, we aim to contribute to our

Our efforts to develop strategic importance products such as space batteries have also gained momentum. With our agile approaches in this field, we aim to equip the space systems field with indigenous technologies. Space batteries play

a critical role in the fields of exploration and communication by meeting the sustainable energy needs of spacecraft.'

advanced technology products at SAHA EXPO 2024.

to Türkiye's energy and defence industry."

technology ecosystem.

more livable world."

positive impacts on the environment.

A Cleaner Future with a Zero-Waste Approach

OSB Stars Research among the "Top Sales Growth

We extend our deepest gratitude to all our team members, valued business partners, and loyal customers who contributed to this success. Together, we continue working to elevate Turkey's

> **ASPİLSAN INR21700A42 FIRST TIME AT FIELD EXPO!**

> > 21700

Companies in Industrial Zones"!

an environmentally conscious approach.

necessary for a sustainable future.

naval defence systems.

Latest Technologies Introduced at SAHA EXPO 2024 ASPİLSAN Enerji introduced its latest energy solutions and battery technologies to different stakeholders of the defence industry within the scope of SAHA EXPO 2024. The products displayed in the exhibition area demonstrated ASPİLSAN Enerji's innovative and national production power. In this event, where domestic and national technologies were introduced, the solutions developed by ASPİLSAN Enerji attracted great interest.

ASPİLSAN Enerji, which stands out with solutions that respond to the increasing need for energy storage, aims to increase the use of sustainable energy and renewable energy technologies in the defence industry. In this direction, ASPİLSAN Enerji aims to develop cooperation opportunities with both national and international companies with its

Ahmet Turan Özdemir, General Manager of ASPİLSAN Enerji, thanked all stakeholders who contributed to the organization of the fair and stated that the cooperation opportunities offered by SAHA EXPO will make great contributions

**COLLABORATION BETWEEN ASPİLSAN ENERJİ** AND ERCİYES UNIVERSITY UNDER THE **SECTOR ON CAMPUS PROGRAM** Introduction to Battery Management Systems Design Course Begins at Erciyes University with the Contribution of ASPİLSAN Enerji Under the "Sector on Campus" program, implemented through a protocol between the Ministry of Industry and Technology and the Council of Higher Education, a new course titled Introduction to Battery Management Systems Design has been launched at Erciyes University for the Fall 2024 semester. This initiative aims to bring the expertise of the technology ecosystem to students and is a collaboration between Erciyes University and ASPİLSAN Enerji, the program's stakeholders. Erciyes University Rector Prof. Dr. Fatih Altun and ASPİLSAN Enerji General Manager Prof. Dr. Ahmet Turan Özdemir attended the course and engaged with the students. Speaking at the event, Prof. Dr. Altun highlighted the importance of the course in students' career planning, stating, "The delivery of industry-relevant courses on campus is vital for our students' career planning. We advocate for the continuity of these processes through raising awareness. I extend my gratitude to everyone who contributed to the planning of this initiative." ASPİLSAN Enerji General Manager Prof. Dr. Özdemir emphasized that the Sector on Campus program significantly enhances the interaction between academia and industry, contributing to the development of skilled engineers. He

underlined that the Introduction to Battery Management Systems Design course introduces students to the latest industry practices, strengthening the connection between academia, industry, and the private sector. Prof. Dr. Özdemir further explained that the course content includes topics such as battery design, testing, safety, and various battery technologies. He remarked: "This program aims to address the growing need for expertise in battery technology. The Introduction to Battery Management Systems Design course, delivered by ASPİLSAN Enerji's experienced engineers, provides a solid foundation for future engineers and researchers who wish to specialize in this field. Although university-industry collaboration has been a long-discussed concept, the Sector on Campus program is a significant step forward. It enables curricula to be planned and updated in alignment with industry needs, offering substantial benefits."

This joint effort by Erciyes University and ASPİLSAN Enerji to train the human resources required by the technology and engineering sectors is expected to make significant contributions to Turkey's national technology initiative and

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## **ASPİLSAN ENERJİ AIMS FOR A SUSTAINABLE WORLD FOR FUTURE GENERATIONS**

ASPİLSAN Enerji's project, "Our Energy for a Sustainable Future", continues at full speed with the aim of supporting sustainable resource use, reducing environmental pollution, and creating a more livable world for our children.

Commenting on the "Our Energy for a Sustainable Future" talks, ASPİLSAN Enerji General Manager Prof. Ahmet Turan Özdemir stated: "In line with our sustainability goals, we continue to meet with young people through our project titled 'Our Energy for a Sustainable Future,' which we started organizing in high schools last year in collaboration with the Kayseri Provincial Directorate of National Education. Through these events, we aim to raise awareness among young people about energy conservation and environmental consciousness. Specifically, we emphasize the importance of disposing of used batteries in battery waste bins rather than in regular trash and promote energy-saving practices for a

As part of the project, environmental engineers deliver presentations to high school students, highlighting the importance of the zero-waste approach and the necessity of collecting used batteries in designated battery waste bins instead of throwing them away. Additionally, the talks focus on the benefits of energy conservation in daily life and its

The project addresses the environmental damages caused by improperly disposed of used batteries and underscores the importance of recycling. Interactive sessions aim to increase awareness among young people, ensuring they adopt

Energy conservation is also a key component of the project. Seminars and talks explore both the economic and environmental benefits of energy efficiency, with the goal of equipping young people with the knowledge and habits

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**WAS AT SAHA EXPO** 

FOR THE FIRST TIME!

Turkey's first 21700 Lithium-Ion Battery,



Receiving our membership certificate from Deputy Minister of Trade Mr. Ö. Volkan Ağar and TAYSAD Chairman Mr.

With this valuable membership, we aim to contribute more to our industry and strengthen ourselves through new

**FOLLOW THE ENERGY** 

The collaborations we formed at SAHA EXPO will greatly contribute to

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**ASPİLSAN Energy showcased its latest** 

oilsan.com

technologies at SAHA Expo 2024.

Reliable Energy, **Strong Systems!** 

https://youtu.be/watch?v=AYyObrq2XQE

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"Through this project, we aim to enhance environmental awareness both on an individual and societal level and leave a cleaner world for future generations," added Özdemir. With its innovative projects, ASPİLSAN Enerji continues to make a difference not only in the energy sector but also in the field of environmental sustainability. **OUR ENERGY FOR A FUTURE RISING** WITH ENERGY As ASPİLSAN Energy, we ranked 9th in the 2024



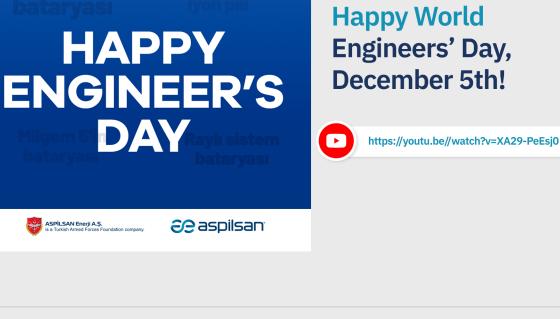
Albert Sağlam has been a great source of pride for us.

collaborations.

our defense industry.

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