PAKISTAN SUSTAINABILITY WEEK

AN EVENT ON ALTERNATIVE ENERGY

26–28 SEPTEMBER 2024
KARACHI EXPO CENTRE
10AM – 06PM

2024: Pakistan Sustainability Week: Opened its doors in Karachi

Pakistan Sustainability Week is making its highly anticipated return to Karachi after a year, following successful shows in both Lahore and Islamabad, solidifying its reputation as a leading platform for sustainability and clean energy solutions. The exhibition, alongside Solar Pakistan, now in its 17th year, has continued to grow in both scope and influence, attracting global attention and participation. This year's event promises to be even more impactful, as it unites industry leaders, policymakers, innovators, and environmental advocates to address one of the most pressing challenges of our time: the transition to clean energy.

Pakistan Sustainability Week as always is marked by an unprecedented turnout, with over 200 companies from more than 10 countries showcasing their latest advancements and solutions. The exhibition has garnered participation from key stakeholders across the globe, underscoring Pakistan's growing significance in the international sustainability dialogue. The event serves as a dynamic hub for collaboration, where participants from diverse sectors come together to share ideas, technologies, and best practices that pave the way for a sustainable future.

Solar Pakistan, which comes under the umbrella of Pakistan Sustainability Week, continues to play a pivotal role in advancing solar energy solutions within the country. As Pakistan grapples with energy shortages and increasing demands, solar power emerges as a critical solution. Solar Pakistan has been at the forefront of promoting the adoption of solar technology, showcasing cutting-edge innovations that make solar power more accessible and affordable for consumers and businesses alike. The 17th edition of this exhibition highlights the progress made over the years and the growing importance of renewable energy sources in addressing Pakistan's energy challenges.

The success of Pakistan Sustainability Week can be attributed to its ability to attract a wide range of international participants. Companies from Europe, Asia, and the Middle East are among those who have taken part in this exhibition, reflecting the global interest in Pakistan's renewable energy sector. The presence of more than 20 countries demonstrates the global commitment to sustainability, clean energy, and the collaborative efforts needed to combat climate change.

In a world increasingly affected by climate change, the need for clean energy has never been more urgent. Pakistan, with its abundant sunlight, is ideally positioned to harness solar power as a key solution to its energy needs. The return of Pakistan Sustainability Week to Karachi comes at a crucial time, as the country seeks to expand its renewable energy portfolio and reduce its reliance on fossil fuels. Solar power, in particular, offers a sustainable and economically viable pathway for reducing greenhouse gas emissions, promoting energy independence and creating green jobs◆

Editor's Message:

Saleem Khan Tanoli

CEO, Fakt Exhibitions (Pvt.) Ltd.

For the past 17 years, FAKT Exhibitions has had the privilege of organizing Solar Pakistan, the country's leading exhibition dedicated to solar energy. What began as a focused platform for promoting solar technologies has evolved into something much larger, reflecting the growing global movement toward clean and renewable energy. This year, Solar Pakistan has officially become part of Pakistan Sustainability Week, an initiative designed to embrace not just solar energy but a broad spectrum of sustainable solutions. This expansion underlines our commitment to driving innovation and fostering meaningful dialogue around clean energy and environmental sustainability.

As the world moves rapidly toward renewable energy solutions, we at FAKT Exhibitions are proud to provide platforms that inspire change and promote progress. Our efforts go beyond exhibitions; as the Editor-in-Chief of PV+ Journal, we have also taken steps to promote and educate people about the importance of renewable energy. PV+ is a modest initiative, yet it plays a crucial role in keeping industry stakeholders informed, highlighting advancements, and encouraging awareness about solar energy and sustainability.

Through these platforms—Solar Pakistan, now part of Pakistan Sustainability Week, and PV+ Journal—we are committed to supporting Pakistan's transition to clean energy. We aim to inspire individuals, businesses, and communities to adopt sustainable practices and embrace the energy revolution◆

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Shah Jahan Mirza, Managing Director, PPIB.

Fakt Exhibitions on setting another benchmark with PSW 2024

I am delighted to know that Fakt Exhibitions (Pvt.) Ltd. is organizing Pakistan Sustainability Week alongside Solar Pakistan. The event presents a unique opportunity to bring together thought leaders, policymakers, entrepreneurs and the masses to share insights, innovations, and strategies for advancing sustainability in Pakistan. It is through collaboration and knowledge exchange that we can develop effective policies and solutions to promote sustainable development and achieve clean energy transition. The efforts of FAKT Exhibitions for this initiative are commendable.

The Government of Pakistan is endeavoring to bring in transformational changes in power system in order to ensure affordability, sustainability, energy security and energy access for all. The optimal utilization of indigenous energy resources in amongst the top priorities of the Government. In cognizance of the global climate change scenarios and considering Pakistan's commitments toward Climate Change mitigation, Pakistan is acting as a responsible country trying to limit its GHG emissions despite being amongst the lowest emitters.

Keeping this in view, the current Government has taken serious measures to harness the available Alternative & Renewable Energy (ARE) potential of the country to diversify its energy mix and ensure energy security and sustainable development in the country.

I commend the dedication and effort put forth by all organizers in making this event a success.

Your commitment to raising awareness and fostering dialogue on sustainability issues is crucial for driving meaningful change. Let us all work together to inspire action and create a sustainable future for Pakistan. I look forward to the impactful discussions and outcomes that will emerge from this event◆

Saquib Fayyaz Magoon,

Senior Vice President - FPCCI praises the efforts of Fakt Exhibitions

Saquib Fayyaz Magoon

Senior Vice President
FPCCI

I would like to express my sincere appreciation to Fakt Exhibitions for organizing Pakistan Sustainability Week Event at Karachi Expo Centre from 26th to 28th September 2024. Pakistan Sustainability Week Event stands out as a significant and valuable tradeshow for the industry.

We, at FPCCI fully support and endorse Pakistan Sustainability Week Event as it serves as a highly effective platform for showcasing innovations, advancements, and new technologies in the Energy sector. The exhibition plays a crucial role in contributing to the growth and development of the industry.

It is a testament to the success of Pakistan Sustainability Week that more than 200 exhibiting companies from 10 countries come together under one roof. This event demonstrates a highly professional trade environment and promotes the exchange of ideas, mobility, and interaction within the industry.

We wish all the best to Fakt Exhibitions for their continued efforts and warmly welcome all exhibitors and trade visitors to Pakistan Sustainability Week◆

Aamir Hussain

Chairman,
Pakistan Alternative
Energy Association
(PAEA)

Aamir Hussain,

Chairman PAEA lauds the initiative of Fakt Exhibitions

On behalf of the Pakistan Alternative Energy Association (PAEA), it is my privilege to extend our wholehearted support to the prestigious event of Pakistan Sustainability Week, organized under the esteemed management of Fakt Exhibition.

The Pakistan Alternative Energy Association, as a duly registered trade body committed to fostering the growth and development of sustainable energy solutions in Pakistan, PAEA recognizes the paramount importance of initiatives like Pakistan Sustainability Week in driving positive change towards a more sustainable future.

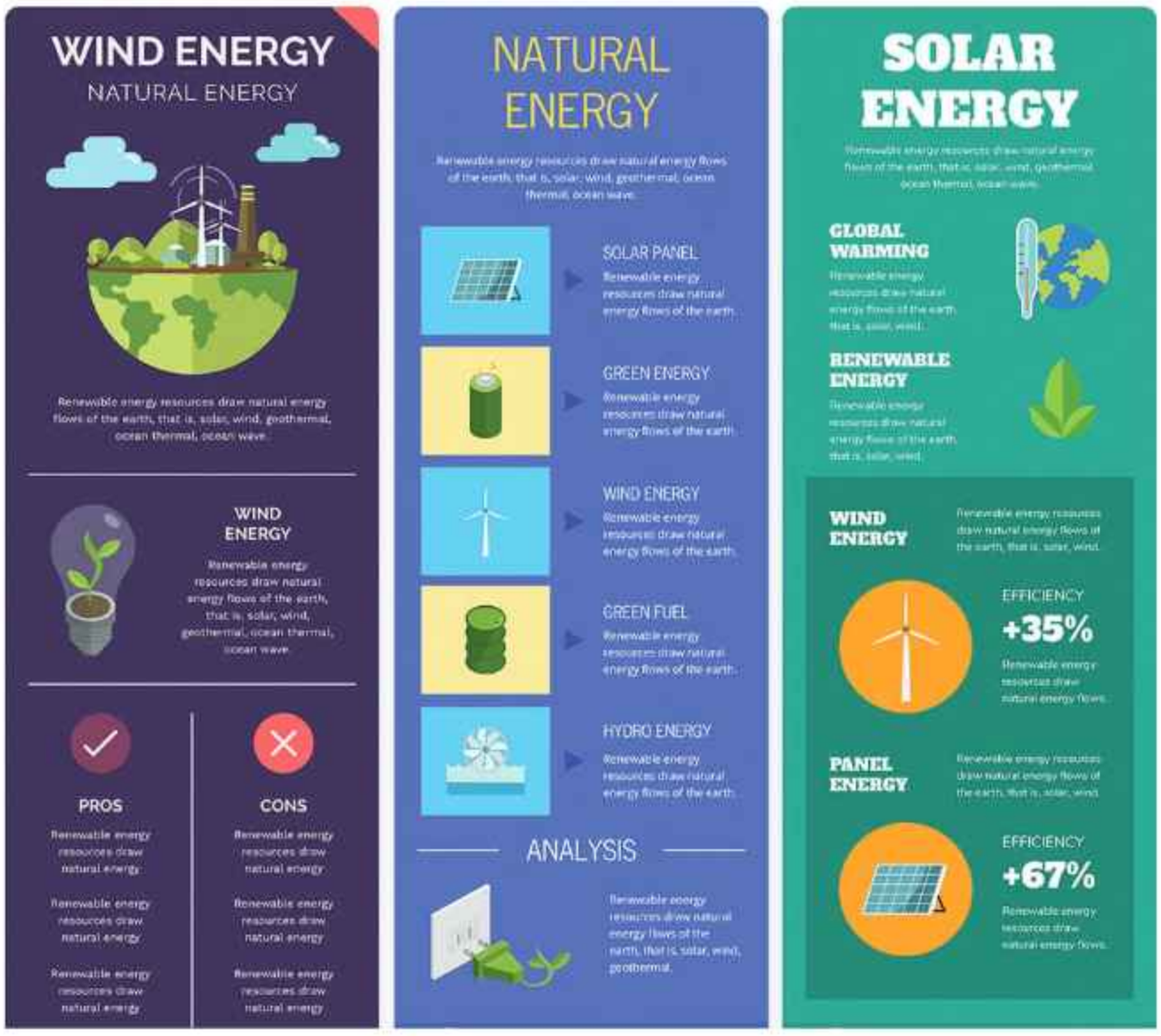
The upcoming event, scheduled to take place from 26th to 28th September 2024 at Karachi Expo Centre, promises to be a gathering of minds dedicated to exploring innovative solutions, fostering collaborations, and accelerating the adoption of sustainable practices across various sectors.

PAEA believes that by coming together, sharing knowledge, and showcasing cutting-edge technologies, we can collectively pave the way for a greener, cleaner, and more strong Pakistan. PAEA is fully committed to supporting and actively participating in all endeavors aimed at promoting sustainability and environmental stewardship.

We extend our sincere gratitude to the organizers, participants, and partners involved in making Pakistan Sustainability Week a reality. Together, let us seize this opportunity to inspire action, drive change, and create a brighter, sustainable future for generations to come◆

The Industry and where it's heading

The solar industry in Pakistan has experienced substantial growth over the past decade, driven by the country's increasing energy demand, frequent power shortages, and the urgent need for sustainable energy solutions. With an abundance of sunlight—over 300 sunny days annually—Pakistan is ideally suited for solar power generation, particularly in regions such as Sindh, Balochistan, and southern Punjab. These areas benefit from high solar irradiance, making them prime locations for solar energy projects.



One of the key drivers of solar energy adoption in Pakistan is the persistent energy shortfall, which has negatively impacted both residential and industrial sectors for years. The country has long relied on imported fossil fuels and conventional energy sources such as coal, gas, and oil to meet its power needs. However, this dependency has led to high electricity costs, energy insecurity, and environmental concerns. Solar energy offers a clean, renewable, and cost-effective alternative that can help reduce Pakistan's reliance on non-renewable resources while addressing its energy deficit.

Government policies have also played a role in encouraging solar energy adoption. The Alternative Energy Development Board (AEDB) has introduced various incentives and initiatives to promote renewable energy, including solar power. For instance, the government has removed import duties on solar panels and related equipment, making it easier for businesses and individuals to install solar systems. Net metering policies have been implemented, allowing consumers to sell excess electricity generated by their solar systems back to the grid. This has provided an added financial incentive for households and businesses to invest in solar energy.

In addition to government support, the declining cost of solar photovoltaic (PV) technology has made solar energy more accessible. Over the last decade, the cost of solar panels and related infrastructure has fallen significantly, making it an attractive option for both urban and rural communities. In rural areas, where grid connectivity is often limited or unreliable, solar energy has become an essential solution for electrification.

Several large-scale solar projects have been initiated in Pakistan, such as the Quaid-e-Azam Solar Park in Bahawalpur, one of the largest solar power plants in the world. These projects contribute to the national grid and help alleviate some of the country's energy shortages. Moreover, the private sector has increasingly shown interest in developing solar energy solutions, with many companies offering solar installation services to businesses and homeowners.

Over The Years:

Over the last two decades, Pakistan has made significant strides in adapting to renewable energy sources to address its energy crisis and promote sustainable development. Here's an overview of the key developments:

Policy Framework and Initiatives National Energy Policy: In 2006, Pakistan introduced a national energy policy that emphasized the need for diversification of energy sources, including a focus on renewables.

Subsequent policies have reinforced commitments to renewable energy.

Renewable Energy Policy (2006): This policy aimed to facilitate investment in renewable energy projects, establishing a regulatory framework that attracted both local and foreign investors.

Solar Energy
Solar Power Growth: Pakistan has abundant sunlight, making solar energy a focal point. The introduction of net metering and feed-in tariffs has encouraged households and businesses to install solar panels, leading to a surge in solar power generation.

Large-Scale Projects: Major solar parks, such as the Quaid-e-Azam Solar Park in Punjab, have been developed, contributing significantly to the national grid and demonstrating the potential for large-scale solar deployment.

Wind Energy
Wind Farms: The Gharo-Jhimpir Wind Corridor in Sindh has emerged as a key area for wind energy development. Numerous wind farms have been established, leveraging the region's high wind potential.

Investment and Capacity: By 2023, Pakistan had increased its wind power capacity significantly, making wind a substantial component of its renewable energy mix.

Hydropower
Existing Infrastructure: Pakistan has historically relied on hydropower, with major dams like Tarbela and Mangla. Recent investments have focused on optimizing these resources and building new projects.

Small Hydropower Projects: Efforts to develop small and micro-hydropower projects have gained traction, particularly in rural areas, promoting energy access and sustainability.

Biomass and Other Renewables
Biomass Energy: Recognizing the potential of agricultural waste and biomass, Pakistan has initiated projects aimed at converting waste to energy, thus contributing to both energy production and waste management.

Geothermal and Ocean Energy: While still in nascent stages, there is ongoing research and exploration into geothermal and ocean energy resources, indicating a broader commitment to diversifying the renewable energy portfolio ◆

PV+ Journal Unveils Its 9th Edition:

Moving towards Sustainability!

PV+ Journal is a specialized publication dedicated to covering the latest developments and innovations in renewable energy, with a primary focus on the photovoltaic (PV) solar energy sector in Pakistan and beyond. Since its launch more than a year ago, the magazine has rapidly gained recognition as a trusted source of information for industry professionals, policymakers, researchers, and renewable energy enthusiasts. PV+ Journal has become an essential platform for sharing insights, news, and expert opinions on the dynamic and ever-evolving renewable energy landscape in Pakistan, which is increasingly pivoting toward clean and sustainable power solutions.

One of the standout features of PV+ Journal is its comprehensive coverage of photovoltaic technology and its applications in the local and regional context. Pakistan, with its abundant solar potential, has been at the center of numerous renewable energy initiatives, particularly in the realm of solar power. The magazine keeps its readers informed about the latest solar energy projects, including utility-scale solar farms, residential and commercial solar installations, and advancements in solar panel technology. It highlights key projects such as the Quaid-e-Azam Solar Park, one of the largest solar power plants in South Asia, showcasing how Pakistan is making strides toward energy sustainability.

In addition to local news, PV+ Journal provides extensive coverage of global trends and technological advancements in the renewable energy sector. From breakthroughs in solar PV efficiency to emerging trends in battery storage and smart grid technology, the magazine ensures that readers stay up-to-date on the latest innovations. This focus on global best practices enables stakeholders in Pakistan's energy sector to learn from international case studies, adapt cutting-edge technologies, and implement effective policies for accelerating the adoption of renewable energy solutions.

PV+ Journal doesn't limit its coverage to just solar energy. It encompasses a broad spectrum of renewable energy sources, including wind, hydropower, biomass, and geothermal. This holistic approach reflects the growing awareness that the future of energy lies in a diverse and integrated mix of renewable resources. As Pakistan seeks to reduce its reliance on fossil fuels and curb greenhouse gas emissions, the magazine plays a critical role in educating its readers about the various renewable energy options available and their potential contributions to the country's energy security and environmental goals.

The magazine also places a strong emphasis on policy analysis and market trends. Pakistan's energy policies, especially those promoting renewable energy adoption, are a major focus of the publication. Through interviews with policymakers, industry experts, and analysts, PV+ Journal provides insights into the regulatory framework, government incentives, and challenges faced by the renewable energy sector in the country. This makes the publication an important resource for investors and companies looking to enter or expand in Pakistan's growing renewable energy market.

THE COMPLETE JOURNAL ON ALTERNATE ENERGY

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