

2023 - Introducing the Pakistan Sustainability Week: A Greener Future Awaits!



In a time marked by escalating environmental concerns and an urgent call for global sustainability, Pakistan is making its ground to take a substantial stride towards a greener, more sustainable future with the inception of the Pakistan Sustainability Week. This groundbreaking event stands as a testament to the nation's commitment to fostering environmental consciousness and promoting sustainable practices, bringing together diverse stakeholders under one umbrella to address pressing ecological challenges. As the world grapples with the ramifications of climate change, this initiative emerges as a beacon of hope and innovation, dedicated to forging a path towards an everlasting coexistence between progress and preservation.

For the first time ever, Pakistan Sustainability Week Exhibition Joins two flagship events, Solar Pakistan and Electricity Pakistan, thereby elevating its scope and impact. The event harbors synergy

between the two exhibitions, thereby generating an immersive platform that spotlights the pivotal domains of solar energy and electricity. Solar Pakistan, with its impressive 13-year legacy, has long been a running platform for discussions, showcases, and technological advancements in the solar power industry. Simultaneously, Electricity Pakistan, now in its 6th year, has been a driving force behind dialogue and innovation in the electrical sector. By uniting these two pioneering exhibitions, Pakistan Sustainability Week fosters comprehensive idea exchange, enabling people from all walks gather under one roof.

This year is set to be bigger and better than ever before. The merger of Solar Pakistan and Electricity Pakistan under the Pakistan Sustainability Week umbrella amplifies the potential for generating innovative solutions to Pakistan's energy challenges. With a broader spectrum of participants, including industry leaders, policymakers,

researchers, and the general public, the exhibition becomes a fertile ground for collaborative endeavors that transcend traditional and geographical boundaries as the invitation extends to people from all around the world. One of the most anticipated segments of the exhibition is the "Solect Competition," tailor-made for universities across Pakistan. This competition beckons the sharpest minds in the nation to design and present sustainable energy solutions that can be instrumental in reshaping the country's energy landscape. By nurturing young talent and providing a platform for their visionary ideas, the competition catalyzes a fresh wave of innovation, ensuring that Pakistan remains at the forefront of sustainable energy technology.

The Pakistan Sustainability Week Exhibition emerges as a monumental stride towards a sustainable future. By converging Solar Pakistan and Electricity Pakistan, this

event underscores the importance of holistic, multidisciplinary approaches in tackling ecological challenges. The amalgamation of these exhibitions not only amplifies the scale of the event but also encapsulates Pakistan's unwavering commitment to sustainability and environmental stewardship. As stakeholders from across various sectors converge to deliberate, showcase, and learn, the Pakistan Sustainability Week Exhibition stands as a symbol of hope, innovation, and collective action in the face of the country's need for new ideas. ♦

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Saleem Khan Tanoli

CEO, Fakt Exhibitions (Pvt.) Ltd.

I am thrilled to share the remarkable achievements of the recent Pakistan Sustainability Week, including our flagship event, the Renewable Energy Exhibition. As the CEO of FAKT Exhibitions, it fills me with immense pride to see yet another milestone set in our pursuit of advancing sustainable energy solutions in our region.

This year, with the introduction of Pakistan Sustainability Week, we welcomed more than 120 companies from over 10 countries, making it bigger and more impactful than any renewable energy event in the country ever before. Solar Pakistan, now in its impressive 13th year, and Electricity Pakistan, with a successful 6-year legacy, have become enduring cornerstones under the umbrella of Pakistan Sustainability Week. These events have not only thrived but have also garnered unwavering support from our industry peers and stakeholders. The achievements of this year's exhibition were nothing short of outstanding. We witnessed a dazzling showcase of



cutting-edge innovations from visionary companies and inventors. These innovations hold the key to transforming our energy landscape, enabling us to meet the rising energy demands of Pakistan. Moreover, the event fostered crucial discussions among industry experts and policymakers, driving forward sustainable energy policies, market trends, and the pivotal role of technology in shaping our energy future. I extend my heartfelt gratitude to everyone who played a role in making this event a resounding success.

As we look ahead, it is clear that Pakistan Sustainability Week and its constituent events like Solar Pakistan and Electricity Pakistan are crucial in addressing our nation's energy demands and in charting a path towards a greener, more sustainable future. Thank you all for your support and dedication in making this happen. ♦



Abu Bakar Ahmed, Secretary Energy Govt. of Sindh Appreciates the efforts of Fakt Exhibitions.

I am humbled to know that Fakt Exhibitions (Pvt.) (Ltd.) is organizing Pakistan Sustainability Week (PSW) along with Solar Pakistan – 13th International Renewable Energy Exhibition & Conference and Electricity Pakistan – 6th International Exhibition for Energy Storage and Power Industry from 7th – 9th

September at Karachi Expo Centre.

PSW provides an excellent opportunity for exhibitors to display latest and advanced renewable energy technology solutions which is considered to be a major growth driver. The country has contributed more than 1,800 megawatts (MW) of

electricity to the national grid through a diverse range of sources, encompassing coal, solar, and wind power.

Sustainability is not merely a concept; it is a commitment to the betterment of our planet and the well-being of our future generations. In a world confronted by

environmental challenges and rapid change, exhibitions like this serve as vital platforms for us to come together, learn, and share innovative solutions that can pave the way for a more sustainable and resilient future.

Good to learn that Fakt Exhibitions is bringing leading energy companies

on one platform for showcasing their products & technology, exchange valuable experiences and opinions. Our support is with Fakt Exhibitions (Pvt.) Ltd. and we welcome the exhibitors, visitors and hope they have a rewarding experience at Pakistan Sustainability Week. ♦



Abu Bakar Ahmed

Secretary Energy
Govt. of Sindh



Shah Jahan Mirza

Managing Director
Private Power And
Infrastructure Board

Shah Jahan Mirza Congratulates Fakt Exhibitions.

I am delighted to extend my wholehearted support and facilitation to the upcoming Pakistan Sustainability Week (PSW), alongside Solar Pakistan – 13th International Renewable Energy Exhibition & Conference and Electricity Pakistan – 6th International Exhibition for Energy, Storage, and Power Industry, organized by Fakt Exhibitions (Pvt.) Ltd., which is scheduled to take place from 7th to 9th of September 2023 at Karachi Expo Centre.

In an era where the world is transitioning towards sustainable and cleaner energy solutions, this event holds immense significance for Pakistan's energy landscape. It is imperative that we, as a nation, embrace renewable energy resources and advanced technologies to ensure a brighter and sustainable future. PSW provides an invaluable platform for industry experts, policymakers, innovators, and stakeholders to converge and exchange insights, ideas, and

experiences.

Pakistan is blessed with abundant renewable energy resources such as solar, wind etc. and such events provide opportunities to exchange novel ideas to harness our potential to the fullest. As Managing Director of the Private Power & Infrastructure Board, I stand committed to promoting sustainable options / solutions and initiatives that enhance the nation's energy security and contribute towards a cleaner environment. Such

exhibitions / events align perfectly with our shared vision of a greener, cleaner and sustainable energy-efficient Pakistan. I would like to commend Fakt Exhibitions (Pvt.) Ltd. for their dedication and efforts in organizing these remarkable events. I am confident that PSW event will serve as catalyst for fostering partnerships, technological advancements, and knowledge dissemination, ultimately propelling Pakistan's energy system towards sustainable future. I encourage all

stakeholders, businesses, and individuals to actively participate in Pakistan Sustainability Week, engage in meaningful discussions, and explore various innovative solutions presented therein. Together, we can usher in a new era of energy excellence and environmental stewardship. Wishing Pakistan Sustainability Week great success, and looking forward to a prosperous and sustainable future for Pakistan. ♦

DENISA FAINIS Applauds Fakt Exhibitions.

We're pleased to announce our support for the upcoming Solar Pakistan Exhibition, organized by Fakt Exhibitions. The event is scheduled from September 7th to 9th, 2023.

The Solar Pakistan Exhibition serves as a focal point

for industry leaders, innovators, policymakers, and stakeholders in renewable energy. It offers a prime platform to showcase advancements, technologies, and trends in solar energy, while fostering vital discussions on future challenges and

opportunities.

MESIA is dedicated to promoting solar energy as a practical solution to meet Pakistan's and the region's energy needs. Supporting events like the Solar Pakistan Exhibition aims to expedite solar technology

adoption, enable networking, and facilitate knowledge exchange among professionals.

We invite businesses, government representatives, investors, and researchers to participate actively. Together, we can

accelerate the transition to cleaner, sustainable energy sources for the well-being of our communities and the environment. ♦



DENISA FAINIS

General Secretary,
Middle East Solar
Industry Association



The Industry Alternate Energy Developments In Pakistan and Whats To Come of it

The allure of cost-effective energy resources is captivating consumers. Both commercial and industrial entities are embracing solar-based power generation, which has now emerged as the most economical energy source. Remarkably, the cost of establishing such production units has descended below that of gas-based power plants.

According to the recent reports, Pakistan has witnessed a notable upsurge in providers offering an array of solar home system products, encompassing solar water pumping systems, solar

lighting solutions, and solar water heaters. The International Renewable Energy Agency (IRENA) highlights the substantial role of hydropower within Pakistan's energy amalgam, boasting an installed grid-connected capacity of 7.1 GW. IRENA's findings also reveal that the nation possesses a remarkable economic and technical hydropower potential of up to 60 GW. Additionally, it pinpoints a theoretical wind potential of 50 GW within Pakistan's southern Sindh and Baluchistan provinces. Average daily sunshine in Pakistan is nine and a half hours. After the

government implemented a set of support policies to encourage the growth of renewable energy, solar power entered Pakistan's energy mix in 2013. According to the Pakistan Economic Survey, six solar power facilities with a combined capacity of 430 MW started operating commercially during the past five years and are presently supplying electricity to the grid. More businesses and industries in Pakistan are resorting to captive solar solutions as a result of increased power prices and an unstable grid supply. Larger cities have seen a sharp increase in the household installation of

Mythbusting renewable electricity

CLIMATE GROUP
RE100

There's a lot of disinformation around renewable electricity and its role in our net zero future. Vested interests, established positions, policy barriers and more all exist to hinder the deployment of renewable electricity.

Here we look at just some of the myths out there and show how they are wrong.

MYTH
Renewables are too expensive to install

FACT
New European solar capacity is 10x cheaper than gas-fired power plants in the long-term. New US solar and wind is cheaper than operating 209 out of its 210 coal plants. The era of cheap fossil fuels is over. Renewable electricity is consistently the cheaper alternative.

10x cheaper

rooftop solar panels. Regulations for net metering for installations smaller than 1 MW went into force in September 2015. The GOP is aiming for at least 1 million subscribers and adding about 3000 MW of solar electricity through net metering, therefore this

industry is headed towards rapid expansion shortly. The World Bank has provided Sindh Solar Energy Project with \$100 million in financing to help independent power producers develop 400 MW of new solar power projects and provide partial grants to

private sector companies for the commercial provision of Solar Home Systems to 200,000 households. This will increase renewable energy's share of Pakistan's energy mix. ♦

PAKISTAN SUSTAINABILITY WEEK

Alongside SOLAR PAKISTAN and ELECTRICITY PAKISTAN

SOLECT - Showcase & Awards of Renewable Energy Projects
7th to 9th September 2023
Karachi Expo Centre - Hall 4

Aligarh Institute of Technology, Bahria University, National University of Sciences and Technology, Sir Syed University of Engineering & Technology, SZABIST ZABTech, The Hunar Foundation, UIT University, Ziauddin University

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SOLECT Giving The Youth Limelight

SOLECT, the Sustainable Energy Competition, was a groundbreaking event held during Pakistan Sustainability Week, showcasing the passion and innovation of young minds from various universities. With a staggering participation of over 40 projects, this competition embodied the commitment of the next generation to shaping a sustainable energy future for Pakistan.

Participating universities, including Bahria University, UIT University, SZABIST ZABTech (ITVE), Ziauddin University, The Hunar Foundation, Aligarh Institute of Technology, Sir Syed University of Engineering and Technology, and the National University of Sciences & Technology, brought forth ingenious projects that spanned the renewable energy spectrum. These projects

ranged from cutting-edge solar panel innovations to inventive wind energy solutions, demonstrating the diverse approaches to sustainable energy that our youth are exploring. The prize distribution ceremony was a testament to the exceptional talent on display. Awards were presented to the most innovative and impactful projects, inspiring the young innovators to continue their journey

toward sustainable energy solutions. SOLECT not only encouraged creativity and innovation but also underscored the critical role of academia in fostering a sustainable energy ecosystem for Pakistan's future. It was a remarkable showcase of how the collaboration between universities and industry can drive innovation and lead to a brighter, greener tomorrow. ♦





PV+ Journal

In a world that is grappling with the pressing challenges of climate change and environmental degradation, the need for sustainable and renewable energy sources has never been more critical. At the forefront of this global movement is PV+ Journal, a leading publication dedicated to exploring and promoting sustainable energy solutions. As PV+ Journal approaches its highly anticipated third issue, it is poised to shed light on the transformative potential of renewable energy in shaping our future.

PV+ Journal: A Brief Overview: PV+ Journal, made its debut in the world of energy publications in March of 2022 with a mission to inform, educate, and inspire readers about the possibilities of sustainable energy. Founded by a team of long time industry folks, PV+ Journal has consistently upheld its commitment to

deliver well-researched, insightful, and forward-thinking content.

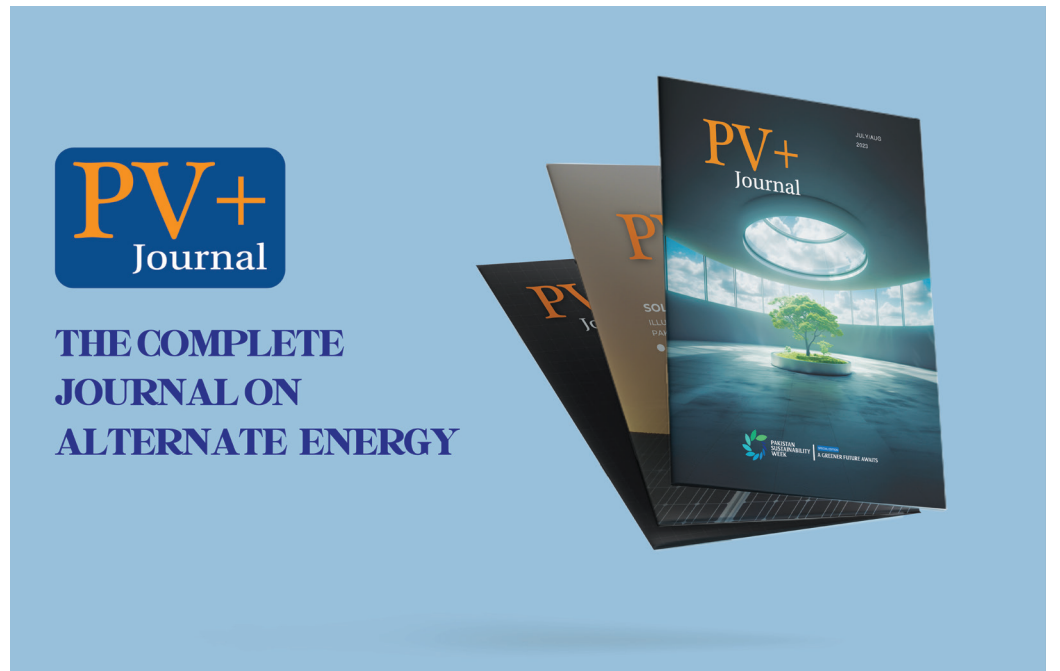
Renewable Energy at the Core: PV+ Journal's 3rd issue is all set to dive deep into the realm of renewable energy, putting it at the heart of the discussion. With climate change becoming an increasingly dire threat, this issue couldn't have come at a more critical time. The world is at a crossroads, and the choices we make regarding our energy sources will have a profound impact on the planet's future.

Exploring the World of Renewables: In the upcoming issue, PV+ Journal will delve into the diverse and dynamic world of renewable energy. From the sun-drenched fields of solar power to the gentle breezes harnessed by wind turbines, this issue will celebrate the ingenuity and innovation that are driving the renewable

energy revolution forward.

Featured Articles and Insights From Prominent Industry Leaders! PV+ Journal's 3rd issue promises an array of captivating articles and in-depth analyses on renewable energy topics. PV+ Journal prides itself on its commitment to bringing voices of change to the forefront. The upcoming issue will feature exclusive interviews with pioneering figures in the renewable energy industry. These interviews will provide readers with unique insights into the challenges and opportunities in the quest for sustainable energy solutions.

Solar Power's Meteoric Rise and The Policy Puzzle: Unveiling the latest advancements in photovoltaic technology and how solar energy is reshaping the global energy landscape. How Governments Shape Renewable Energy: A



critical analysis of government policies and incentives that drive or hinder renewable energy adoption.

PV+ Journal prides itself on its commitment to bringing voices of change to the forefront. The upcoming issue will feature exclusive interviews with pioneering

figures in the renewable energy industry. These interviews will provide readers with unique insights into the challenges and opportunities in the quest for sustainable energy solutions. As PV+ Journal comes out with its 3rd issue, its commitment to advocating for renewable energy solutions has never been

stronger. In a world where the urgency to address climate change is palpable, this issue promises to inspire, inform, and empower readers to embrace renewable energy as a beacon of hope. PV+ Journal's journey continues to be an illuminating one, lighting the path towards a more sustainable and resilient future for all. ♦

Sustainability Innovation Summit

The Pakistan Sustainability Week's Summit on alternative energy was a transformative event that brought together prominent leaders and experts to address the nation's sustainable energy challenges. Notable participants included Mr. Abu Bakar Ahmed, Secretary of Energy for the Government of Sindh, who

delivered an inspiring keynote emphasizing the province's commitment to renewable energy adoption. Mr. Zaigham Rizvi, Chairman of the National Platform for Housing Research, shared a vision where renewable energy was seamlessly integrated into sustainable housing, illustrating the interplay between energy and

sustainable urban development. Khalid Pervez, Chairman of the Institution of Electrical and Electronics Engineers in Pakistan (IEEEP), provided a technological perspective, emphasizing the need for innovative electrical and electronics engineering solutions to enhance renewable energy integration into Pakistan's energy

grid. The Summit served as a dynamic platform for these leaders to discuss policy frameworks, economic viability, and technological advancements, fostering collaborative efforts to drive Pakistan's transition towards a more sustainable energy ecosystem. The Summit at Pakistan Sustainability Week was a

pivotal moment in the nation's journey towards sustainable energy solutions, offering a comprehensive dialogue on renewable energy. With notable participants like Mr. Abu Bakar Ahmed, Mr. Zaigham Rizvi, and Khalid Pervez, the event showcased the convergence of expertise, policy, and technological innovation.

It underscored the importance of interdisciplinary collaboration in addressing Pakistan's energy challenges while laying the groundwork for a greener and more sustainable future powered by renewable energy sources. ♦





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