

AroGen Kite Air Show-2024

Evening Kite Airshow for Electricity Generation Innovations

In collaboration with

Institute of Physics Sri Lanka and Ravana Aviation Kite Association

Introduction:

Harnessing renewable energy sources is crucial in today's world as we strive towards sustainability and mitigating climate change. In line with this vision, we propose the introduction of an Evening Kite Airshow focused on showcasing electricity generation innovations through kites. This event aims to highlight the potential of kite technology in generating clean and renewable energy while providing a platform for innovators, researchers, and enthusiasts to collaborate and inspire.

Concept developer:

This concept conceived by Capt. Harsha Govinda Koralearachchi, the instructor pilot, founder of Ravana Aviation and the president of Ravana Aviation Kite Association of Sri Lanka.

Event Name:

AeroGen Kite Air Show: The Kite-Powered Revolution by RAKA & IPSL

Organizers:

- Institute of Physics Sri Lanka (IPSL)
- Ravana Aviation Kite Association (RAKA)

Objective:

The primary objective of KitePower is to demonstrate and promote the feasibility and effectiveness of electricity generation through kite technology. By showcasing innovative kite designs equipped with electricity-generating mechanisms, we aim to inspire interest and investment in renewable energy solutions, particularly in the field of airborne wind energy.

Event Highlights:

- Evening Airshow: Spectacular kite performances illuminated with LED lights or low power Illuminations devices, showcasing the beauty and potential of kite technology in generating clean energy.
- Innovator's Pavilion: Exhibition space for innovators and researchers to showcase their kite-based electricity generation prototypes, fostering networking and collaboration opportunities.

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- Technical Workshops: Interactive workshops and seminars conducted by experts in the field, covering topics such as kite aerodynamics, electricity generation mechanisms, and potential applications in renewable energy systems.
- Public Engagement Activities: Engaging activities for visitors of all ages, including kite-making workshops, educational demonstrations, and interactive displays on renewable energy concepts.
- Networking Opportunities: Networking sessions aimed at connecting stakeholders from academia, industry, and government to facilitate knowledge exchange and collaboration in advancing kite-based electricity generation technologies.

Venue:

Following venues are being suggested by RAKA,

- Gall Face Colombo,
- Colombo Port City
- Pandura Beach
- Negambo Beach

Date:

Following dates are being suggested by RAKA,

- Mid- July
- Mid-August

Target Audience:

- Renewable energy enthusiasts
- Innovators and researchers in the field of airborne wind energy
- Industry professionals and stakeholders in the energy sector
- Students and educators interested in STEM (Science, Technology, Engineering, and Mathematics)
- General public interested in sustainable technologies and clean energy solutions

Conclusion:

AroGen Kite Air Show Illuminating the Skies with Renewable Energy represents a unique and innovative approach to promoting renewable energy solutions through kite technology. By harnessing the power of wind to generate electricity, we aim to contribute to the global transition towards a sustainable and carbon-neutral future. Join us in this exciting journey as we explore the potential of kites to revolutionize the way we generate and utilize clean energy.