

UN CLIMATE CHANGE CONFERENCE – UNITED ARAB EMIRATES

30 NOVEMBER – 12 DECEMBER 2023

THE SOLAR HUB



SOLAR + STORAGE TO PROVIDE 24/7 POWER

In Collaboration with



Thematic Arena 3, TA3-190, Opportunity District, Expo City, Dubai

4 DECEMBER, 2023 | 12:30 PM – 14:00 PM

Background & Rationale

Combining solar energy with long duration energy storage paves the road to industrialization without carbonization for the world’s fastest growing economies.

The targets for solar energy are clear, with 75,000 gigawatts of generating capacity to be installed by 2050. Funding pathways to reach these estimates are also clear – if mired in the politics of fossil dependence.

However, these solar installations will not yield full decarbonization without the means to store the electricity they generate for long durations.

Developed economies are beginning to take steps to encourage long duration energy storage development and deployment, but it is in the rapidly growing economies around the globe where long duration energy storage – combined with solar – may be most effective.

These economies can leapfrog fossil infrastructure through the deployment of solar and storage in the same way that the mobile revolution obviated the need for land-based telecommunications across continents.

Untethering from 20th Century energy infrastructure creates opportunities for a more economical, resilient, reliable, and secure engine to power the continued development and growth of the markets where this new energy is needed most. It allows these elevating economies to flourish without the same sunk costs as their counterparts.

This event will launch the ISA-LDES Council White Paper on 24/7 Power from Solar+ LDES.

It will bring in key technology providers from around the world to help illustrate the technologies that are already ready to fully decarbonize the grid.

Finally, it will provide concrete recommendations to policymakers on how to promote solar + LDES to make both electricity and heat more affordable, reliable, secure and sustainable.

Session Objectives	<p>To promote technical understanding of future and existing technologies for 24/7 power from solar and other renewables</p> <p>Launch White Paper on Solar + LDES to provide 24/7 Power</p> <p>Encourage policymakers to undertake specific policy actions to promote solar + LDES</p>
Agenda	
12:30 - 12:35 PM	<p>Opening Remarks</p> <p>Dr Ajay Mathur, International Solar Alliance</p>
12:35 - 12:50 PM	<p>Keynote address</p> <p>Presentation/Launch of White Paper</p> <p>Julia Souder, Long Duration Energy Storage Council</p> <p>Alexander Hogeveen Rutter, International Solar Alliance</p>
15:20 - 16:15 PM	<p>Panel Discussion</p> <p>Moderator</p> <ul style="list-style-type: none"> ▪ Dr Rashi Gupta <p>Panellists</p> <ul style="list-style-type: none"> ▪ Mahesh Kolli, CEO and MD, Greenko Group ▪ Frank Wouters, Reliance ▪ Mathieu Geze, Director Energy, HDF Energy Additional LDES Member (Long Duration Heat) ▪ Raghav Kanoria, CEO and MD, India Power/E2S Power
Special Commitments & Announcements	<p>Launching of White Paper on Solar + LDES to provide 24/7 Power</p>

