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Hall 01

WORLD ENERGY STORAGE DAY
22nd SEPTEMBER

R1

ASIA PACIFIC

R1 (Australia & New Zealand, Singapore, Philippines, Indonesia, Japan, China, South Korea)	
10:00 - 17:30 ACST || 09:30 - 17:00 JST & KST || 02:30 - 10:00 CET, Singapore	
Time (ACST) 10:00 - 11:30	**MANUFACTURING & SUPPLY CHAIN SESSION**
Moderator	Stacy Osenbaugh, Commercialization Manager, Future Battery Industries CRC
	Rohit Laumas, Sr. Consultant, Customized Energy Solutions (CES)
	Peng Gao, Vice President, ESS BU, Gotion
	Nicholas Gurnon, Sr. scientist, Polaris labs
11:30-12:00	**BREAK**
12:00 - 13:30	**E-MOBILITY SESSION**
Moderator	Anjan Merkap, Consultant - Emerging Technologies, Customized Energy Solutions (CES)
	Dr. Tom Moerenhout, Resident Scholar, School of International and Public Affairs, Columbia University
	Sohail Hasnie, Principal Energy Specialist, Asian Development Bank
	Young-Il Lee, Professor, Seoul National University of Science and Technology
13:30 – 14:00	**BREAK**
14:00 - 15:30	**STATIONARY ENERGY STORAGE SESSION**
Moderator	Harsh Thacker, Director, Emerging Technologies, Customized Energy Solutions (CES)
	Lisa Ma, China Energy Storage Allliance (CNESA)
	Ben Shepherd, VP Strategy, Relectrify
	John Wood, Founder, NOAB ventures
	Achal Sondhi, VP, Growth, APAC, Fluence Energy
	Tim Harris, Managing Director & CEO, Redflow
15:30-16:00	**BREAK**
16:00-17:30	**GREEN HYDROGEN SESSION**
Moderator	Ohira Eiji, Director – Hydrogen & Fuel Cell, New Energy and Industrial Technology Development Organization (NEDO)
	Knut Linnerud, CEO, Greenstat Asia

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Hall 02

WORLD ENERGY STORAGE DAY
22nd SEPTEMBER

R2

INDIA, SAARC, RUSSIA

R2 (India, SAARC, Russia)	
10: 00 – 17: 30 IST || 07: 30 – 15: 00 MSK	
Time (IST)	**MANUFACTURING & SUPPLY CHAIN SESSION**
10:00 - 11:30	
Moderator	Sudhendu Sinha, Advisor – Infrastructure Connectivity – Transport & Electric Mobility, Niti Aayog
	Gayatri Dadheech, Chief Technology Officer (CTO), Exide Industries
	Dr. Rahul Walawalkar, President & Managing Director, Customized Energy Solutions (CES), India
	Vijayanand Samudrala, President - New Energy, Amara Raja Batteries
	Vikram Handa, Managing Director, Epsilon Carbon
11:30-12:00	**BREAK**
12:00 - 13:30	**E-MOBILITY SESSION**
Moderator	Chaitanya Kanuri, Senior Program Manager - Electric Mobility, World Resources Institute (WRI), India
13:30 - 14:00	**BREAK**
14:00 - 15:30	**STATIONARY ENERGY STORAGE SESSION**
Moderator	Netra Walawalkar, Vice President – India Operations, Customized Energy Solutions (CES)
	Dr. Rahul Tongia, Sr. Fellow, Centre for Social & Economic Progress (CSEP)
	Rupam Raja, Market Director- South Asia, Fluence Energy
	Rahul Jain, Head - Energy Storage, Renew Power
15:30-16:00	**BREAK**
16:00 - 17:30	**GREEN HYDROGEN SESSION**
Moderator	Pawan Mulukutla, Director – Clean Mobility & Energy Tech, World Resources Institute (WRI), India
	H. E. Ambassador Hans Jacob Frydenlund, Norwegian Embassy in New Delhi
	K. R. Jyothilal, Principal Secretary (Power, Forest, and General Administration), Government of Kerala
	Pawan Mehndiratta, Head – Corporate Centre – Technology & Manufacturing, L&T Green Energy
	Dr. Anurag Pandey, Vice President - Hydrogen Value Chain, New Energy, Reliance Industries Limited

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WORLD ENERGY STORAGE DAY
22nd SEPTEMBER

R3

EUROPE, MIDDLE EAST AND AFRICA

R3 (Europe, UK, Middle East, Africa)	
10:30 - 18:00 CEST || 09: 30 – 17: 00 UTC|| 10:30 - 18:00 SAST || 12:30 - 20:00 UAE || 10:30- 18:00 BST	
Time (CEST) 10:30 - 12:00	**MANUFACTURING & SUPPLY CHAIN SESSION**
Moderator	Ashok Thakur, Editor in Chief, Emerging Technology News, Customize Energy Solutions (CES)
	Robert Colbourn, CEO, Benchmark Mineral Intelligence
	Lars Carlstorm, Founder & CEO, Italvolt
12:00 - 12:30	**BREAK**
12:30 - 14:00	**E-MOBILITY SESSION**
Moderator	Avanthika Satheesh, Industry Research Manager, Customized Energy Solutions (CES)
	Adam Panayi, Managing Director, Rho Motion
	Akash Passey, President, VE Commercial Vehicles
	Kristin Skofteland, Chief Commercial Officer & Legal Counsel, Beyonder
	Roberta Mugellesi Dow, Business Applications Manager, Downstream Business Applications Department, European Space Agency (ESA)
14:00-14:30	**BREAK**
14:30 - 16:00	**STATIONARY ENERGY STORAGE SESSION**
Moderator	Alfons Westgeest, General Manager, Association of European Automotive and Industrial Battery Manufacturers (EUROBAT)
	Ole Jakob Sørdalen, Chief Innovation Officer, PIXII AS
	Chandrashekhar Govindrajalu, Energy Storage Partnership, The World Bank
	Akihiro Kai, Project Manager - Sodium Sulfur Battery, NGK Insulators
	Frederik Sullwald, Head of Sales Utilities & Key Accounts, Intilion
16:00-16:30	**BREAK**
16:30-18:00	**GREEN HYDROGEN SESSION**
Moderator	Cristian Carter, Director, Innovation Norway
	Charles Howland, Partner, Curtis, Mallet-Prevost, Colt & Mosle LLP
	Natalie Gupta, Director - Bunkering Yara Clean Ammonia, Yara International ASA
	Bernd Frank, Director, Atotech

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WORLD ENERGY STORAGE DAY
22nd SEPTEMBER

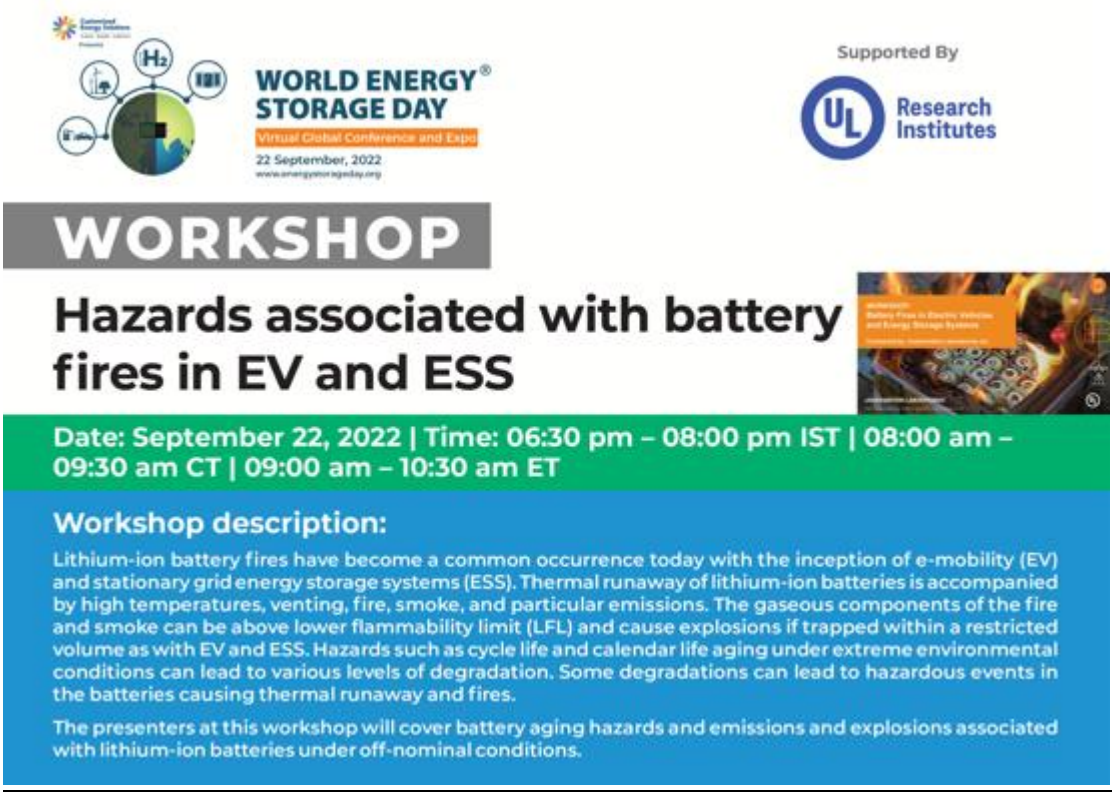
R4

UNITED STATES, LATIN AMERICA AND CANADA

	R4 (USA, Canada, Latin America (Brazil, Chile, Argentina)
	10:30 – 18: 00 EST
Time (EST) 10:30-12:00	**MANUFACTURING & SUPPLY CHAIN SESSION**
Moderator	John Fernandes, Senior Consultant, Customized Energy Solutions (CES)
	Naoki Ota, CEO, 24M Technologies
	Dr. Prabhakar Patil, Former CEO, LG Chem, USA
	Venkat Srinivasan, Director, Argonne Collaborative Center for Energy Storage Science (ACCESS)
	Robert Galyen, Former CTO, CATL
12:00-12:30	**BREAK**
12:30-14:00	**E-MOBILITY SESSION**
Moderator	Ann Yu, Senior Consultant, Customized Energy Solutions (CES)
	Zach Woogen, Policy Manager, VGIC
	Steven Kaye, CTO, Our Next Energy
	Aviv Tzidon, Chairman, Phinergy & eViation
14:00 – 14:30	**BREAK**
14:30 - 16:00	**GREEN HYDROGEN SESSION**
Moderator	Frank Wolak, President, Fuel Cell & Hydrogen Council
	Massi Miliano Cervo, Lecturer, National University of Technology, Argentina
	Nicola de Blasio, Senior Fellow, Harvard University
	Roxana B, Executive Director, United States Hydrogen Alliance (USHA)
16:00 – 16:30	**BREAK**
16:30 - 18:00	**STATIONARY ENERGY STORAGE SESSION**
Moderator	Erik Paulson, VP - Wholesale Operations, Customized Energy Solutions
	Curtis Ashton, Director - Training, American Power Systems
	Jason Burwen, Vice President - Energy Storage, American Clean Power Association (ACPA)
	Jacqueline DeRosa, VP - Energy Storage Systems, Ameresco
	John Newton, Principal Regulatory Analyst, East Bay Community Energy

For any queries reach us at contact@indiaesa.info || event@indiaesa.info

Hall 02



Topic	Speaker
Welcome & Introduction to the workshop	Dr. Judy Jeevarajan, Vice President & Executive Director, Electrochemical Safety Research Institute, UL Research Institutes
Aging and safety for li-ion cells and batteries	Dr. Anna G. Stefanopoulou, William Clay Ford Professor of Technology, Professor of Mechanical Engineering, University of Michigan
Particulate emissions	Dr. Vinay Premnath, Lead Engineer, Particle Science and Technology Section, Southwest Research Institute (SWRI)
Aerosol studies and explosion proof containers related to lithium-ion batteries	Dr. Teresa Barone, Chemical Engineer, National Institute for Occupational Safety and Health (NIOSH) Dr. Thomas Dubaniewicz, Lead General Engineer, National Institute for Occupational Safety and Health (NIOSH)
Plume-rise and dispersion modelling in open surrounding of smoke from large-scale lithium-ion battery fires	Christian Lejon, Research Engineer, Swedish Defense Research Agency (FOI)
	Dr. Thomas Barth, Survival Factors Investigator, Biomechanics Engineer, National Transportation Safety Board (NTSB)
Acknowledgements and Closing Remarks	Dr. Judy Jeevarajan, Vice President & Executive Director, Electrochemical Safety Research Institute, UL Research Institutes

Hall 03

GIGAFACTORY SUPPLY CHAIN WORKSHOP

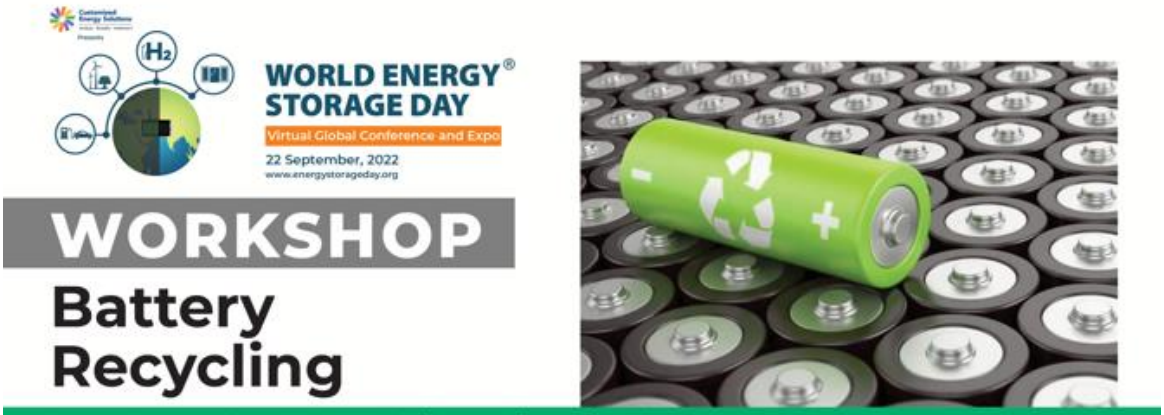
Date: September 22, 2022 | Time: 16: 00 – 17: 00 IST, 12: 30 – 13: 30 CEST, 06: 30 – 07: 30 EST

Topic	Speaker
Welcome and introduction to the workshop	Harsh Thacker, Director- Emerging Technologies, Customized Energy Solutions (CES)
Global Lithium supply chains and opportunities in south America	Vincent Boissonneault, Independent Consultant, Li-supply chain from South Americas
Global Anode supply chains and opportunities in Europe	Puruvi Poddar, Chief Corporate and BD, Tirupati Graphite
Present scenario, current and future trends, key challenges of Global LIB supply chains	Srinivas Popuri, Managing Partner, SP consulting
Moderated panel discussion	Akash Saraf, Senior Analyst- Emerging Technologies, Customized Energy Solutions (CES)

Hall 03

BATTERY RECYCLING WORKSHOP

Date: September 22, 2022 | Time: 18: 00 – 19: 00 IST, 14: 30 – 15: 30 CEST, 08: 30 – 09: 30 EST



Topic	Speaker
Welcome Remarks and Introduction to the Session	TBD
Global Recycling Ecosystem (Technology Trends, Economics, Recycling Capabilities, Developments in Technology, Associated challenges, etc.)	Mr. Leon Farrant, CEO & Co-Founder, Green Li-ion
Need for Recycling in the EU, and overview of second-life batteries	Dr. Claude Chanson, General Manager, Recharge Batteries
Recycling Ecosystem in India (Technology Trends, Economics, Recycling Capabilities, Challenges, etc.)	Mr. Utkarsh Singh, CEO, BatX Energies
Regulations for battery waste management in India	Mr. Bhupesh Verma, Manager—Market Research, India Energy Storage Alliance
Concluding Remarks	TBD

Hall 03

MINIGRID & SOCIAL EQUITY WORKSHOP

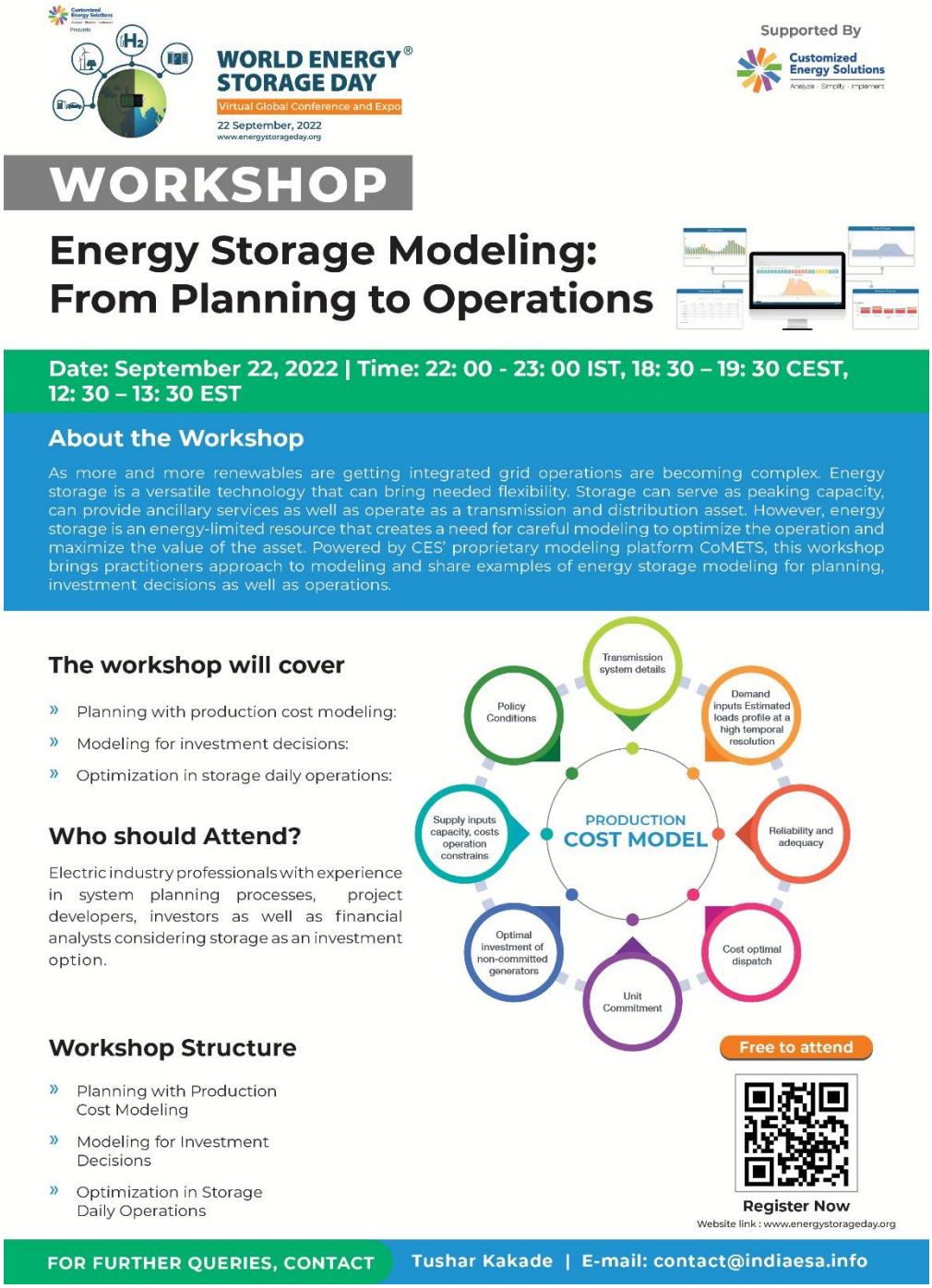
Date: September 22, 2022 | Time: 20: 00 - 21: 00 IST, 16: 30 – 17: 30 CEST, 10: 30 – 11: 30 EST

Moderator	**Dr. Imre Gyuk, Director of Energy Storage Research - Office of Electricity, U. S. Department of Energy**
	Juliet Pumpuni, Senior Energy Specialist, Energy Sector Management Assistance Program (ESMAP), The World Bank
	Jens Jager, Director - Policy and Business Development, Alliance for Rural Electrification (ARE)
	Kapil Seth, Director and Co-founder, Mandalay Yoma
	Gopi Krishna, Director, EmSyS Electronics
	Nitin Akhade, Consultant and Program Manager - Rural Electrification and Livelihoods, Customized Energy Solutions India (CES)

Hall 03

ENERGY STORAGE MODELING & OPTIMIZATION WORKSHOP

Date: September 22, 2022 | Time: 22: 00 - 23: 00 IST, 18: 30 – 19: 30 CEST, 12: 30 – 13: 30 EST



Moderator	**Jatin Sarode, Senior Analyst, Customized Energy Solutions**
	Vijay CS, Senior Analyst, Customized Energy Solutions (CES)
	Joel Berger, Senior Consultant, Customized Energy Solutions (CES)

Hall 01

URBAN AIR MOBILITY WORKSHOP

Date: September 22, 2022 | Time: 22: 00 - 23: 00 IST, 18: 30 – 19: 30 CEST, 12: 30 – 13: 30 EST

Topic	Speaker
Introduction on UAM	Venkat Viswanathan, Associate Professor, Carnegie Mellon University - Moderator
Which sector do you believe would be the leading area in next 5 years	Prem Kumar Vislawath, Founder & CEO, Marut Drones
How is DUMS contributing in UAM space and how UAM would help in decarbonization	R. Krishna Kumar, CTO, Dhaksha Unmanned System (DUMS)
How far along is human transportation	Felipe Varon, Founder and CEO, Varon Vehicles Corporation
Moderated panel discussion	Venkat Viswanathan, Associate Professor, Carnegie Mellon University Venkat Viswanathan, Associate Professor, Carnegie Mellon University

Hall 03

LONG DURATION ENERGY STORAGE WORKSHOP

Date: September 22, 2022 | Time: 00: 00 - 01: 00 IST, 20: 30 – 21: 30 CEST, 14: 30 – 15: 30 EST

Moderator	**Dr. Imre Gyuk, Director of Energy Storage Research - Office of Electricity, U. S. Department of Energy**
	Julia Souder, Executive Director, Long Duration Energy Storage Council (LDESC)
	Curtis VanWalleghem, CEO, Hydrostor
	Phil Delleville, MD, Product Development, Strategy & Operations, Malta

Hall 04

WORKFORCE DEVELOPMENT & JOBS WORKSHOP

Date: September 22, 2022 | Time: 22: 00 - 23: 00 IST, 18: 30 – 19: 30 CEST, 12: 30 – 13: 30 EST

WORLD ENERGY® STORAGE DAY
Virtual Global Conference and Expo
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www.energystorageday.org

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WORKSHOP

Workforce Development and Jobs in Energy Storage

Date: September 22, 2022 | Time: Japan Time - 01:30 am - 02:30 am | 10:00 pm - 11:00 pm IST | 06:30 pm - 07:30 pm CT | 12:30 pm - 01:30 pm ET

About the Workshop

The energy ecosystems are undergoing a dynamic transition globally. Energy storage and thus its use for stationary and mobile applications is rapidly evolving. Multi Gigafactories are coming across the globe. As we dive into energy storage manufacturing and accelerate production and usage of energy storage systems, it becomes critical to build a strong skilled workforce.

On this background, World Energy Storage Day (WESD) is organizing a workshop to create awareness regarding the need for skilled workforce. We invite all early career working professionals and students to attend this workshop. The workshop is supported by IESA Academy and Volta Foundation. We believe the awareness through this workshop will further accelerate partnerships between industry and academia to create and drive a healthy learning ecosystem in energy storage space.

Workshop structure

Topic	Speaker
Welcome and Introduction to the Workshop	Yen T. Yeh, Executive Director, Volta Foundation
Challenging skill sets and strategies to overcome lack of skilled workforce	Matt Anders, Divisional Manager, Piper Maddox
Why is skilling required in EV?	Ashoka Kumar, Senior Consultant, Axiscades Engineering Technologies Ltd
TBD	Akshay Gill, Director, Makermax Inc.
Efforts by IESA Academy to bridge the skill-gap	Aditi Pathak, Assistant Manager, IESA Academy
Questions by Moderator to the Speakers	Yen T. Yeh, Executive Director, Volta Foundation
Acknowledgements and Closing Remarks	Yen T. Yeh, Executive Director, Volta Foundation

FOR FURTHER QUERIES, CONTACT Tushar Kakade | E-mail: contact@indiaesa.info

Hall 03

SOLAR + STORAGE WORKSHOP

Date: September 22, 2022 | Time: 12: 00 - 13: 00 IST, 08: 30 – 09: 30 CEST, 02: 30 – 03: 30 EST

WORLD ENERGY® STORAGE DAY
Virtual Global Conference and Expo
22 September, 2022
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NSEFI

WORKSHOP

Solar + Energy Storage

Date: September 22, 2022 | Time: 12: 00 – 13: 00 IST, 08: 30 – 09: 30 CEST, 02: 30 – 03: 30 EST

About the Workshop

With the rise of renewable energy, specifically solar the demand for storage solutions is growing rapidly. The future of the energy infrastructure lies in smart storage solutions for diverse market applications including solar shifting, smoothing, and ramp control and grid stability seamlessly combining premium hardware, advanced software and reliable services. With the fast development of mechanical and electro-chemical energy storage technologies, storage can strongly support the transition to solar energy. Energy storage is the missing piece of the energy transition puzzle. As the energy industry warms up to these technologies, utilities, developers, consumers, and power producers across the globe adopting and installing energy storage systems from kW-level to GW level.

In this workshop, global thought leaders and industry stalwarts will present and discuss about technology, applications, and market for solar + energy storage integration. The workshop will cover case studies from rooftop solar to grid scale project and pumped hydro technologies to advanced li-ion and emerging electro-chemical batteries.

Free to attend

Who Should Attend

- Renewable energy professionals (solar, wind)
- Energy storage companies
- Technology provider, power electronics companies
- Regulators, policymakers and think-tank

Register Now

Website link : www.energystorageday.org

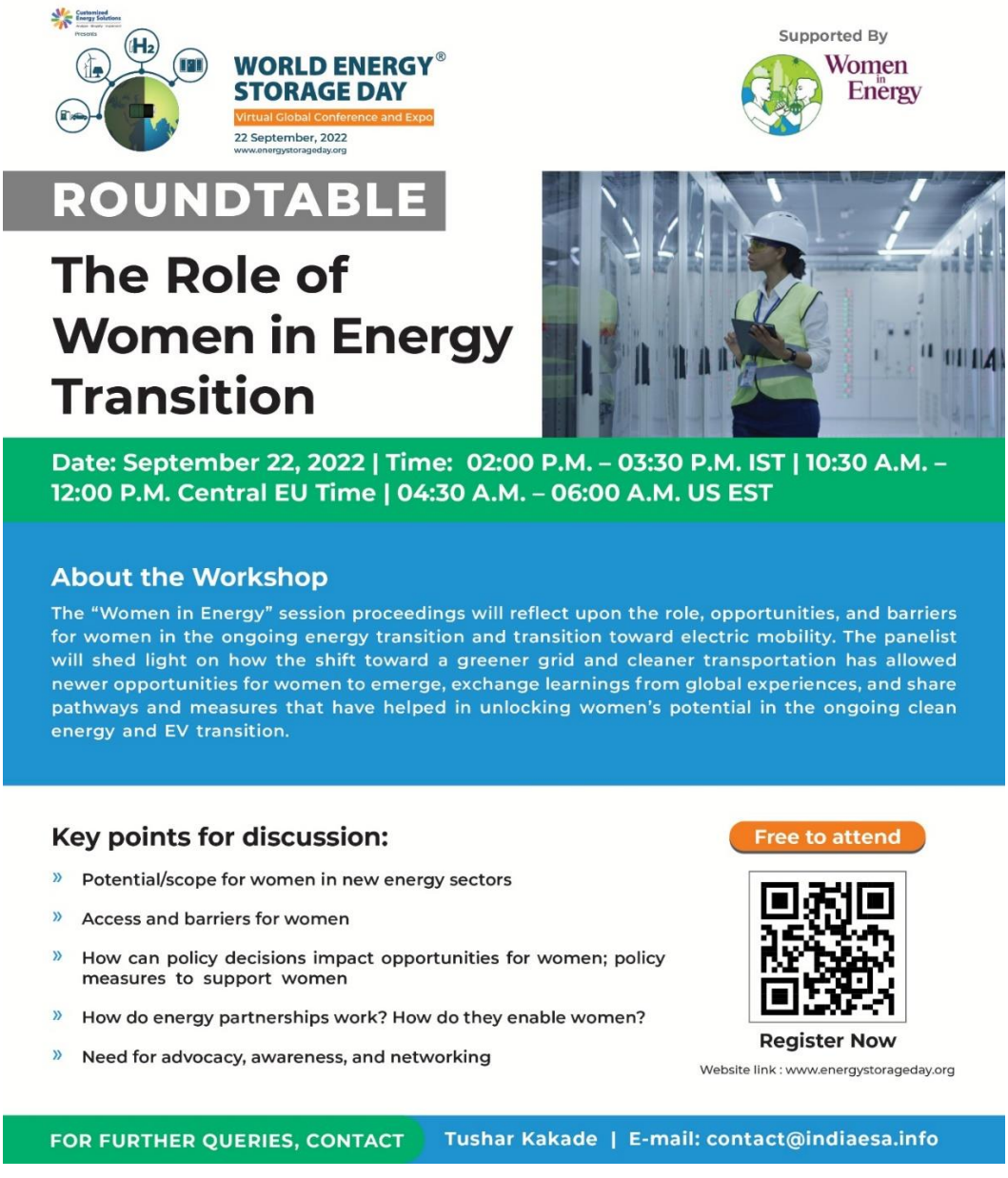
FOR FURTHER QUERIES, CONTACT Tushar Kakade | E-mail: contact@indiaesa.info

Moderator	**Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India (NSEFI)**
	Alexander Hogeveen Rutter, Private Sector Specialist, International Solar Alliance (ISA)
	Dr. Bharat Reddy, Additional General Manager, Solar Energy Corporation of India (SECI)
	Bindu Madhavi, Director-Policy & Regulatory, India Energy Storage Alliance (IESA)

Hall 03

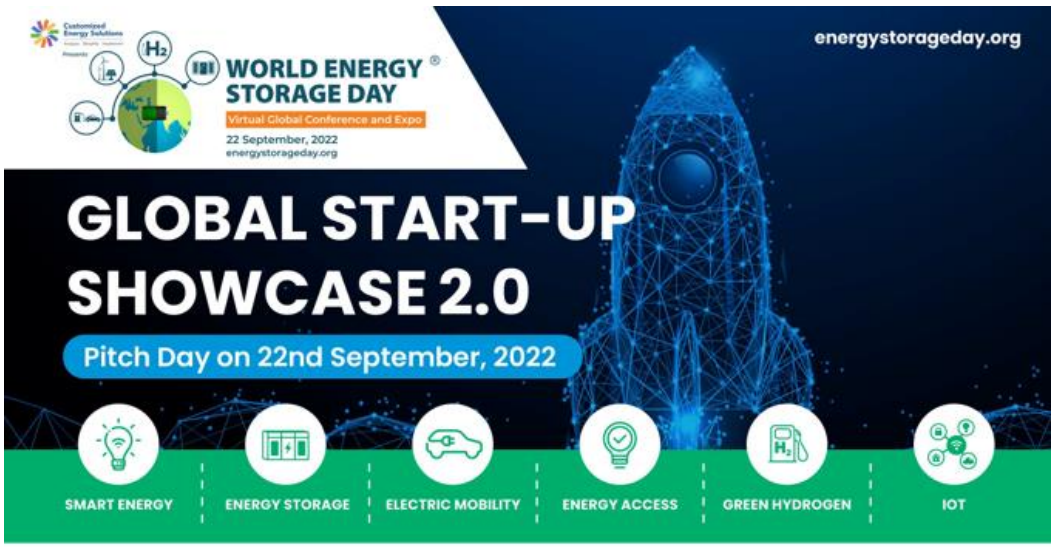
WOMEN IN ENERGY ROUNDTABLE

Date: September 22, 2022 | Time: 14: 00 - 15: 00 IST, 10: 30 – 11: 30 CEST, 04: 30 – 05: 30 EST



Moderator	**Disha Agarwal, Program Lead – Renewables, The Council on Energy, Environment and Water (CEEW)**
Keynote Speaker	**Isabel Chatterton, Regional Industry Director for Global Infra, APAC, IFC, International Finance Corporation (IFC)**
Keynote Speaker	**Christine Lins, Executive Director, GWNET**
	Selamawit Beneberu, Senior Energy Advisor and Staff representative @ GIZ Energy Program Ethiopia, Vice chairperson of Ethiopian women in Energy, GIZ Energy Program, Ethiopia
	Bindu Polumahanti, Director, Policy & Regulatory, IESA

Hall 04



World Energy Storage Day (WESD) 2022 brings an exciting opportunity for start-ups across the globe to showcase their product and technologies to key industry stakeholders at the WESD 2022 – Virtual Global Conference & Expo on 22nd September 2022. The Global Start-up Show-case is an initiative under the Global Start-up Outreach Program piloted by Customized Energy Solutions

Supporting Partners

NEW ENERGY NEXUS | CLIMATE COLLECTIVE

Topic	Speakers
Introduction	Debi Prasad Dash, Executive Director, IESA
Keynote Session: Global drive for Net Zero and opportunities for Start-ups to make an impact in changing the status quo	Prof. Ashok Jhunjhunwala, President IIT Madras Research Park, IITM Incubation Cell and RTBI
Start-up Pitch Session 1	• LINA ENERGY • TRINANO TECHNOLOGIES PVT. LTD. • AGRIVIJAY • SOLID T • MACLEC • SHERU
IESA Start-up and Innovation Initiative	• Kumar Shivam Kashyap, Manager, IESA • Veena Hejmadi, Asst Manager, IESA
Keynote Session: UNIDO FLCTD Innovation Program	Sandeep Tandon, Country Programme Manager, FLCTD, UNIDO
Break	
Investors' Panel Discussion: Important characteristics of a Start-up from an Investors' perspective	• Moderator: CES India/ IESA • Alipt Sharma, Managing Director, GEF Capital • John Wood, Founder, NOAB Ventures • Kasturi Gomatham, Deal Principal, M&A, Renewables and Energy Solutions, Shell • Siddharth Mehta, Investment Director, India, TDK Ventures • Shreyansh Singhal, VP Investments, Ankur Capital • Sachin Tagra, Partner, JSW Ventures • + other Key investors (to be confirmed)
Pitch Session 2	• BRISE CHEMICALS PVT LTD • ZVS INTERNATIONAL PVT LTD • ONE POINT FIVE DC PRIVATE LIMITED • WINDSOHY, LLC • PERRYMAN TECHNOLOGIES RESEARCH • EARTHEN
Conclusion Remarks	Kumar Shivam Kashyap, Manager, IESA