

Dr. Rahul Walawalkar CEM, CDSM, CSDP

President & MD, Customized Energy Solutions India Pvt. Ltd.
Global Head, Emerging Technologies, Customized Energy Solutions Ltd.
Executive Director, India Energy Storage Alliance & Vice Chair, Global Energy Storage Alliance



Rahul is President and Managing Director of Customized Energy Solutions India Pvt. Ltd. Rahul leads the Emerging Technologies practice for Customized Energy Solutions globally with focus on energy storage, renewables, demand response and smart grid technologies as well as international markets. Rahul has been involved in evaluating economics of emerging technologies in deregulated electricity markets since 2004. His activities have covered complete range of smart grid, demand response, microgrid and energy storage technologies.

Rahul is founder and Executive Director for India Energy Storage Alliance (IESA). He served as member of the Board of Directors of Energy Storage Association (ESA) in US during 2009-15 and was elected as Secretary in 2013. He was elected as Vice Chair for Global Energy Storage Alliance (GESA) in 2014.

Rahul is involved in providing inputs for demand response, energy storage & smart grid policy to government agencies in US and India as well as has provided inputs to multilateral agencies such as IRENA, IEA & ADB.

- He served as an expert evaluator for US Department of Energy, US during 2009-12.
- In 2012, Maharashtra Electricity Regulatory Commission (MERC) nominated him as chairperson of working group on Integrating Renewables, Micro-Grids and Storage as part of Smart Grid Coordination Committee.
- He was involved in designing India's 1st voluntary Demand Response program for Tata Power in Mumbai in 2011, which is recognized by CII with most innovative energy service award for 2012.
- In 2013, he was also nominated as member of national taskforce for integration of renewable energy sources in the Grid during the 12th Plan by Central Electricity Authority & Ministry of Power.
- In 2014, Ministry of New and Renewable Energy (MNRE) nominated him on the standing committee for energy storage and hybrids.
- In 2015, Institution of Engineering (India) , Pune Chapter awarded him the prestigious "DSK Energy Award" for contributions in field of renewable energy.
- In 2016, Energy Storage Association (USA) recognized CES with the Brad Roberts Outstanding Industry Achievement Award and IPPAI recognized CES India with Power innovation Award.
- In 2017, Rahul was awarded Jury's recognition as "Storage Crusader" at Renewable Energy India Awards.
- In 2018, Rahul was recognized with India Smart Grid Forum (ISGF) President's Award for outstanding contribution to growth of smart grids in India.

Rahul has delivered presentations in 100+ international conferences during last decade and has also authored 5 book chapters on topics covering energy efficiency, demand response and energy storage. Rahul has obtained Smart Grid Maturity Model (SGMM) Navigator certification from Carnegie Mellon University's Software Engineering Institute.

Prior to joining CES, Rahul led in house energy management and new product development group (iGEMS-Ideas - Generation, Evaluation and Monitoring System) for Tata Infotech (now part of TCS). Rahul is recipient of Computer Society of India's Young IT Professional Award for 2001 and 2002. He is also a Certified Energy Manager. Rahul holds a Ph.D. in Engineering and Public Policy from Carnegie Mellon University. He also holds Masters in Energy Management from New York Institute of Technology and undergraduate degree in Electrical Engineering from Walchand College of Engineering, Sangli.



About India Energy Storage Alliance

The India Energy Storage Alliance (IESA) was launched in 2012 by Customized Energy Solutions to promote energy storage & micro grid technologies and their applications in India. IESA's vision to make India a global leader in energy storage & microgrid technology adoption and hub for manufacturing of these emerging technologies by 2020. IESA's mission is to make energy sector in India more competitive and efficient by creating awareness among various stakeholders in the industry and by promoting information exchange with the end users. IESA also provides insights to technology developers, original equipment manufacturers, policymakers, renewable players and system integrators on the policy landscape and business opportunities in India through frequent interaction with all key stakeholders. As estimated by IESA, the Indian energy storage market is expected to grow to 70 GW by 2022. Please find more information on IESA at <http://www.indiaesa.info/>

About Customized Energy Solutions:

Customized Energy Solutions is one of the fastest growing US energy consulting & services companies operating throughout the United States for the past 12 years. Customized is working with over 750 clients across the value chain of electricity industry in the US and India. We started our operations as Customized Energy Solutions India Pvt. Ltd in 2010 with main office in Pune.

We work with various stakeholders to minimize project risks and optimize their profits. We also work with commercial and industrial customers to help reduce their energy costs through better utilization of the wholesale and retail energy markets. We help clients from the feasibility study through implementing solutions as well as offer services to optimize operations. We actively manage approximately 5000 MW of generation (including wind, land fill gas as well as conventional generation resources) and demand side response throughout the United States and India. We work with our clients to improve communication and metering, integration of renewable generation as well as other emerging technologies, and active management of resources through utilization of our 24*7 operations center. Customized has also launched India's 1st DR program for Tata Power in Mumbai in 2011, which is recognized by CII with most innovative energy service award for 2012. In 2016, Energy Storage Association (USA) recognized CES with the Brad Roberts Outstanding Industry Achievement Award for contribution to developing energy storage industry in US.