



Tamil Nadu commissions India's first Active Network Management System from Enzen

September 29th 2020 – Enzen and Smarter Grid Solutions (SGS) to provide India's first Active Network Management solution to maximise the renewable energy potential for Tamil Nadu.

Enzen, a Bangalore-based global knowledge enterprise specialising in energy and water, and Smarter Grid Solutions (SGS), a UK clean energy tech company, will deliver India's first ever Active Network Management (ANM) project in the southern Indian state of Tamil Nadu.

The contract has been awarded by TANTRANSCO, the electricity company for the state, which requires expert partners to maximise the potential of Tamil Nadu's extensive wind and solar energy resources and minimise their curtailment ie. when renewable energy is purposefully reduced to ensure the grid remains balanced.

Together, Enzen and SGS will roll out a pilot for an ANM system that will enable TANTRANSCO to perform active real-time, autonomous renewable energy generation control. The solution will connect and control separate devices across the grid (solar panels, wind turbines, generators etc) to ensure they are being used efficiently, achieving both grid stabilization and reducing unnecessary curtailment, all without breaching operational limits.

The outcome for TANTRANSCO will be a smarter electricity grid, which not only delivers more reliable, efficient power to millions of people, but reduces carbon emissions and decreases operational expenditure, infrastructure costs and technical losses.

The project, which features SGS's innovative ANM Starta and Element solutions, combines Enzen's on-the-ground experience of smart grids in India and the global energy sector with its ability to collaborate with best-in-class international partners to meet customer needs.

Dr. Alan Gooding, Executive Director at Smarter Grid Solutions, said: "We are delighted to contribute to this ground-breaking development in India's power grid. The prize of low cost, quicker and more flexible renewable generation connections and operation will further advance India's clean energy goals."

"Our ANM products are already proven in highly demanding applications in the UK and US, providing a highly secure means of extending renewable hosting capacity and enhancing grid modernisation, decarbonisation and flexibility. We look forward to playing our role in the energy transition in India with our valued partner, Enzen, and with forward looking customers such as TANTRANSCO."

Dr. Uma Rajarathnam, Vice President and Global Head of Applied Research and Collaboration at Enzen said: "We are extremely happy to be selected by the Tamil Nadu Electricity Board to implement the Active Management Solution, the first initiative of its kind in India. Enzen believes in leveraging best-in-class technology from across the globe to meet local needs, and that's why we're collaborating with Smarter Grid Solutions, UK."

"We are delivering an innovative solution that addresses the challenge of seamlessly integrating renewable power to the electricity grid. The pilot is an important step in maximising renewable energy uptake by the grid, and realising the full benefit of renewable energy for electricity companies, project developers and communities."

This project will pave the way for higher transparency and better management of renewable resources across the transmission network for all state and central TRANSCOs.

ENDS



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About Enzen:

Enzen is a global knowledge practice that provides consulting, technology, engineering, operating, and innovation services to leading businesses, governments, non-governmental organisations, and non-profits. Enzen focuses on gaining, refining and sharing expertise in the energy and utility sector, providing strategic advisory and implementation of outcome-driven solutions. Enzen works with customers across the utility value chain to deliver sustainable and lasting improvements to their efficiency and performance thus adding value to their bottom line. For more information, please visit www.enzen.com.

About Smarter Grid Solutions:

Smarter Grid Solutions (SGS) is a leading provider of distributed energy resource management system (DERMS) software with the company on track to exceed 1.3GW of renewable generation, energy storage and flexible load under control through 2020. With offices in New York, Glasgow, and San Francisco, SGS is a global solutions provider to distribution utilities and distributed energy resource operators.