Cygni In The News

Dear Team, Partners & Stakeholders,

May has been a month of meaningful progress as we continued to strengthen our manufacturing capabilities, expand our market presence, and deliver impactful energy storage solutions across India.

A major milestone this month has been the successful upgrade of our ***Cell-to-Pack production line with advanced robotic automation***. This enhancement significantly improves manufacturing capacity, quality consistency, and operational efficiency while supporting our vision of creating world-class energy storage products at scale. Automation is not just about productivity—it is about precision, reliability, and future readiness.

At the JMK Renewable Energy Expo & ***India RE Market Conference 2026***, we shared perspectives on evolving business models and deployment strategies for Battery Energy Storage Systems. The conversation reinforced the growing role of storage in enabling renewable energy integration and grid resilience.

Expanding Energy Storage Access: We are also excited about the growing interest in ***Cygni SunVault,*** our all-in-one energy storage solution designed for homes and small businesses. By combining a hybrid inverter, lithium-ion battery storage, intelligent controls, and plug-and-play deployment, SunVault makes reliable clean energy more accessible than ever. Solutions like these will play a key role in accelerating distributed energy adoption across India.

As the energy transition accelerates, our focus remains on building technologies that are intelligent, scalable, and designed for long-term performance. Your feedback is valuable to us, and I look forward to your comments and suggestions.

Warm regards,

Venkat Rajaraman
Founder & CEO
Cygni Energy Pvt. Ltd.

Manufacturing Excellence in Action

Our Cell-to-Pack production line upgrade is now complete with the addition of advanced robotic automation. The enhanced automation delivers higher capacity, improved quality consistency, and greater manufacturing efficiency.

Every investment in automation and Industry 4.0 capabilities brings Cygni closer to its vision of becoming a world-class manufacturer of advanced battery and energy storage solutions for the clean energy and electric mobility sectors.

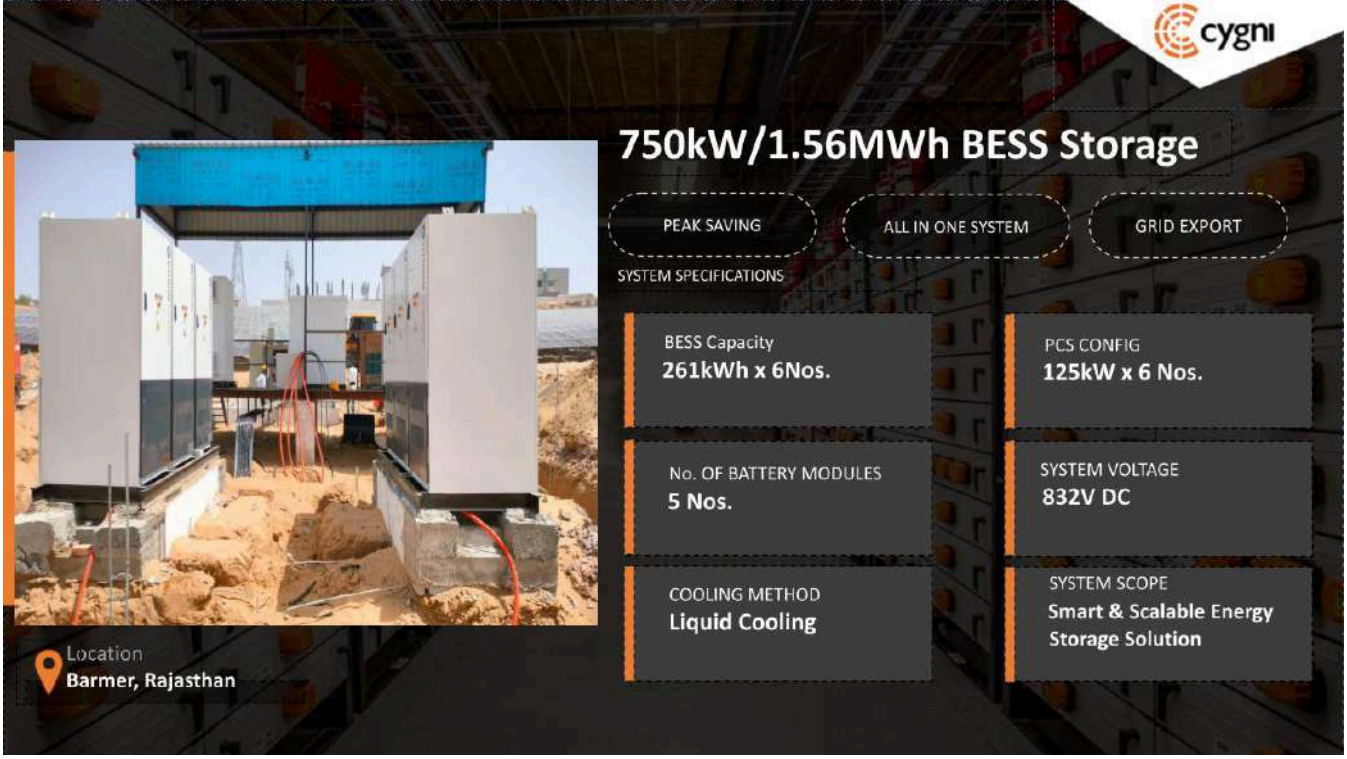
Cygni @ JMK Renewable Energy & Expo

Cygni Energy proudly participated in the **JMK RE Summit 2026**, held on 08 May 2026 in New Delhi. The event brought together key stakeholders from across the renewable energy ecosystem, including policymakers, developers, manufacturers, investors, and technology innovators.

A major focus of the conference was the growing role of Battery Energy Storage Systems (BESS) in enabling India's energy transition. Discussions centered around emerging business models, deployment challenges, policy frameworks, financing mechanisms, domestic manufacturing, and the evolving role of storage in supporting renewable energy integration and grid stability.

Read More

Cygni - 750 kW / 1.56 MWh BESS Installation in Rajasthan



We are pleased to announce that our Battery Energy Storage System (BESS) project for a 15 MW Solar Power Plant in Rajasthan, India, is currently under execution.

The project features a **750kW /1.5 MWh Battery Energy Storage System**, designed to enhance grid stability, improve solar power quality, and optimize plant performance. Integrated with advanced **Energy Management System (EMS)** and **SCADA platforms**, the solution enables real-time monitoring, remote control, and rapid response to grid and plant requirements.

This BESS solution will serve as a critical grid-support and solar optimization asset, improving the stability, reliability, and controllability of the solar power plant while supporting the integration of renewable energy into the grid.

Projected Lifetime Savings: ₹2.15+ Crore

Installation- SunVault in Hyderbad

We are proud to announce the successful installation and commissioning of the **first Cygni SunVault – All-in-One Energy Storage System (ESS)** in Hyderabad.

The **Cygni SunVault** combines a **5kW Hybrid Inverter** with **5kWh Lithium-ion Energy Storage**, delivering a smart, reliable, and future-ready energy solution for businesses.

Key Features:

- Full-load backup support, including air conditioners, refrigerators, and other essential appliances
- Continuous solar power generation even during grid outages

- Integrated Solar DC Distribution Box (DCDB) and Load/Grid AC Distribution Box (ACDB) for simplified installation and enhanced safety
- Smart monitoring and control through an intuitive mobile application
- Compact all-in-one design for quick and hassle-free deployment

Know More

Cygni's Industry-Leading Storage Solutions

Know More

Industry News

Ember's report on "Transmission gaps constraining India's rapid renewables integration"

Ember's timely report on "Transmission gaps are beginning to constrain India's rapid renewables integration". Key highlights:

- India's rapid renewable energy expansion is increasingly being constrained by transmission and grid evacuation bottlenecks, especially in Rajasthan and Gujarat.
- Around 192 GW of transmission capacity is under implementation and another 72.6 GW is planned through 2030, but transmission buildout is lagging renewable deployment by 12–24 months.
- For FY2026–27, ~20 GW out of 45 GW renewable projects may face connectivity delays of over 4 months due to lack of GNA/transmission readiness.
- Renewable energy curtailment in Q1 2026 was estimated at ~470 GWh, of which ~300 GWh was due to transmission constraints.
- Transmission delays materially impact project economics, potentially reducing project IRR by 100–200 basis points due to delayed cash flows and higher financing costs.
- The report positions BESS as a "transmission-as-a-service" solution to absorb curtailed renewable energy and defer transmission investments.
- Managing current curtailment levels would require ~3–4 GW / 2-hour BESS systems in key renewable zones.
- Stored renewable energy using BESS is estimated to cost ~₹7–8/kWh, still below peak power procurement costs of ₹9–10/kWh faced by many states.
- The report recommends co-optimised generation and transmission planning, stronger congestion pricing signals, and greater renewable deployment closer to demand centres.

Download Full Report

India Energy Storage Market Update May 2026

India's commissioned BESS capacity rose to 7.5GWh with Indigrid commissioning 360 MWh for GUVNL and Adani completing final phase commissioning of their Khavda plant 3.37 GWh

A total of 18.8 GWh of BESS capacity was tendered during the month with 14.3 GWh coming from NGEL and MPPMCL and UPPCL jointly called for 1130 MWh capacity with GIPCL inviting bids for 120 MWh of Vanadiumflow projects.

Odisha and Gujarat approved tariff of 500 MWh and 670 MWh BESS projects awarded at INR 3.04 and INR 2.10 lacs/MW/month

Download Energy Storage Market Update May 2026

Cygni- Upcoming Events

India EV Expo& Conference 2026

Cygni Energy is pleased to participate in the **Entrepreneur India EV Expo 2026**, one of the premier platforms bringing together industry leaders, policymakers, innovators, manufacturers, and technology providers from across the electric mobility and energy storage ecosystem.

The event will feature discussions on the future of electric mobility, Battery Energy Storage Systems (BESS), sustainable transportation, charging infrastructure, domestic manufacturing, and emerging clean energy technologies.

📅 27–28 June 2026
📍 Chennai Trade Centre, Chennai

We look forward to engaging with stakeholders across the industry and contributing to conversations shaping the next generation of electric mobility and energy storage solutions.

Register Now

Cygni- Annual Health Check-Up Camp

As part of our ongoing commitment to employee well-being, Cygni Energy organized its Annual Health Check-Up Camp in association with Kondeti Hospital. The initiative was designed to promote health awareness, encourage early detection of potential health concerns, and support a healthier workforce.

At Cygni, we believe that our people are our greatest asset, and investing in their health and well-being remains a key priority in building a safe, productive, and thriving workplace.

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