

CYGNI DREAMZ

NEWSLETTER - FEB 2026

Dear Team, Partners & Stakeholders,

February has been a strong month for thought leadership, industry engagement, and continued execution on the ground.

Our recent feature on "AI in Battery Energy Storage Systems" highlights a key shift in our industry — intelligence is becoming as critical as chemistry. AI-enabled BMS, digital twins, and predictive analytics will define the next generation of safer, longer-lasting, and more reliable storage systems. This is the direction we must continue building toward.

With 6 GWh of BESS capacity expected to come online nationally this year, the market is accelerating. Our focus remains clear: build smarter systems, execute flawlessly, and stay ahead of the curve.

As we approach Women's Day, I also want to acknowledge and thank the incredible women across our teams who contribute to innovation, quality, and growth every day. Inclusion strengthens our foundation.

Let's continue pushing boundaries and delivering impact.

Warm regards,

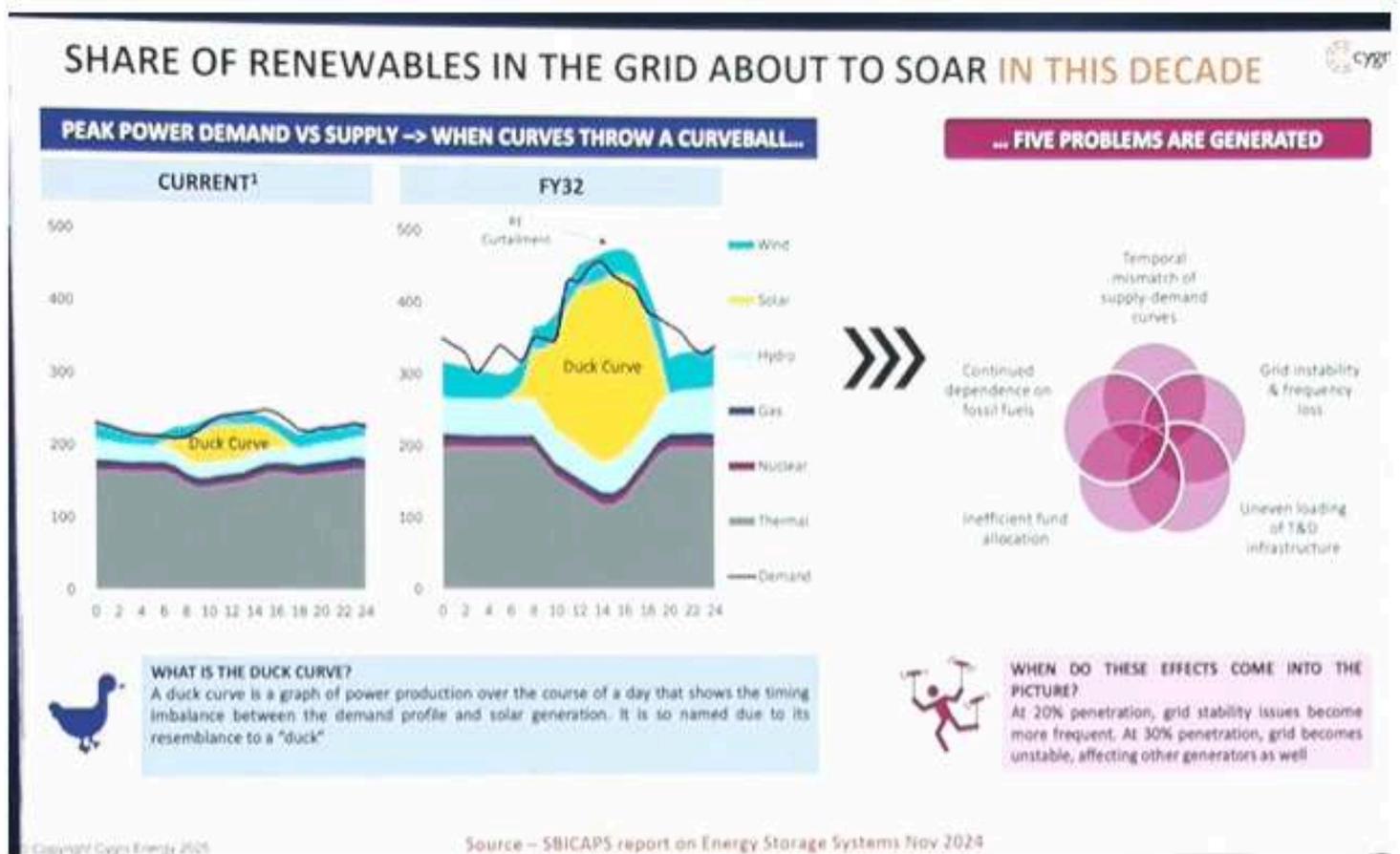
Venkat Rajaraman

Founder & CEO

Cygni Energy Pvt. Ltd.

Cygni In The News

Article- AI in Battery Energy Storage



As energy storage scales into critical infrastructure, intelligence will define performance as much as chemistry. In this latest article in the EFY magazine, based on a talk delivered by our CEO, Mr. [Venkat Rajaraman](#), he explores how AI-enabled BMS, digital twins, and predictive analytics are shaping the next generation of smarter, safer, and more reliable battery systems.

[Read More](#)

ICC- 14th Green Energy Summit



Cygni Energy proudly participated in ICC - Green Energy Summit, and Discussion on “**Energy Storage: BESS, Pumped Hydro Storage and Investment.**” on 4th Feb at New Delhi.

The event brought together leading investors in green technology and renewable energy policymakers to discuss the future of India’s energy transition. Key discussions focused on Government policies and financial frameworks driving renewable energy growth, India’s pathway to achieving **49% electricity from renewables**, Expansion of non-fossil capacity beyond the **500 GW target by 2030**, The national vision of achieving **Net Zero by 2070 and** Investment, taxation, and financial viability of energy storage solutions, particularly **BESS and Pumped Hydro**.

Cygni Energy contributed insights on scalable Battery Energy Storage Systems (BESS) and their critical role in enabling affordable solar integration, grid stability, and long-term energy security.

Cygni @ The smarter E India Conference

Join Me! I will be speaking about

Next-Gen Batteries Beyond Lithium-Ion: Readiness, Risks, and Roadmaps



26th Feb, 2026



17.05 - 17.25 Hrs



The Leela Gandhinagar, Ahmedabad



Speaker

Mr. Venkat Rajamaran

CEO

Cygni Energy PVT

www.TheSmarterE.in



Cygni Energy was proud to participate in The Smarter E India Conference, held from 25–27 February 2026 in Gandhinagar. As part of the session titled “**Next-Gen Batteries Beyond Lithium-Ion: Readiness, Risks, and Roadmaps**,” Cygni engaged in insightful discussions on emerging battery chemistries shaping the future of mobility and stationary storage. The session explored advancements in LFP, LMFP, sodium-ion, and solid-state technologies, highlighting their impact on cost optimization, energy density improvements, safety enhancements, and manufacturing strategies. It also addressed evolving supply chain dynamics, recycling requirements, and long-term system economics.

[Read More](#)

Cygni - 82 kWh BESS Installation in Andhra Pradesh

81.92 kWh BESS Storage

LOWER
COST

ENSURE
RELIABILITY

FUTURE READY
POWER

SYSTEM SPECIFICATIONS

BESS Capacity
81.92 kWh

Battery Module rating
5.12kWh

No. Of Modules
8nos per Rack

SYSTEM VOLTAGE
418V DC

BATTERY CONFIG
**40.96Kwh x 2 racks in
Parallel**

SYSTEM SCOPE
**Smart & Scalable Energy
Storage Solution**



Location
Andhra Pradesh, India.

We are thrilled to report yet another commissioning of our new 82 kWh BESS project. This BESS has been installed at a farm with a behind-the-meter Solar to provide reliable, uninterrupted power every day and is expected to **save over INR 16,86,000** over the course of its lifetime!

Cygni's Industry-Leading Storage Solutions

RESIDENTIAL & COMMERCIAL SOLUTIONS

RESIDENTIAL SOLUTIONS



Cygnet 100W

Nominal rating: 51.2V 100Ah
Rated energy: 5.12kWh
Rated power: 5kW
Cycle life: 6,000
Paralleling: Up to 4 packs to get 20kWh



Cygnet 100R

Nominal rating: 51.2V 100Ah
Rated energy: 5.12kWh
Rated power: 5kW
Cycle life: 6,000
Paralleling: Up to 8 packs to get 40kWh

COMMERCIAL SOLUTIONS



Slim Stack (51.2kWh)

Nominal rating: 512V 100Ah
Rated energy: 51.2kWh
Rated power: 50kW
Cycle life: 6,000
Paralleling: up to 250 kWh



Reliable LFP Battery Solutions

- Local service for all components including inverters
- Superior round trip efficiency
- Can be integrated with existing Solar solutions
- Ultra long life cycle LFP cells

**Complete powering solutions
and customizable as per
the demand**

[Know More](#)

Industry News

India Energy Storage System Market Update- Feb 2026

India energy storage

market update - Feb 2026



As of 2026, approximately **0.8 GWh of BESS capacity** is currently operational. An additional **~6 GWh** is expected to be commissioned by **December 2026**, indicating strong deployment momentum in the energy storage sector.

Of the total announced ESS capacity:

- **42%** is under various stages of execution
- **35%** is in the tendering phase
- **20%** has been cancelled

These figures reflect both accelerating implementation activity and ongoing market consolidation within the ESS landscape.

[Download Full Report](#)

Cygni- BESS Product Catalogue



POWERING THE GREEN REVOLUTION

Stationary storage products and solutions



[Download Here](#)

Cygni- Upcoming Events

At **Cygni Energy**, we believe progress is powered by diversity and inclusion. As we celebrate **Women's Day**, we recognize the remarkable women across our teams — in engineering, operations, leadership, and beyond — who contribute to innovation and excellence every single day. Join us as we celebrate their achievements and reaffirm our commitment to building an inclusive and empowering workplace.

Together, we create impact.



Celebrating the
Power of Women

at **CYGNI**



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