

VANADIUM FLOW BATTERIES: DURABLE / SAFE / SCALABLE ENERGY STORAGE FOR INDIA

Invinity Energy Systems is the global market leader in factory-built, modular vanadium flow batteries (VFBs), a proven alternative to lithium-ion and ideally suited to support the growth of renewable energy in India. Active in all major global energy markets, Invinity has operations in the UK, Canada, USA and soon India. Invinity Energy Systems plc is listed in the UK on the London Stock Exchange (AIM:IES).

INVINITY'S VANADIUM FLOW BATTERIES

Vanadium flow technology, which uses a safe, non-flammable, water-based electrolyte to store energy, was first developed in the 1980's and is now the leading alternative to lithium-ion, with over 2200 battery modules deployed.

Endurium™ is Invinity's 4th Generation battery, specifically designed for the large-scale, high-throughput energy storage requirements of India's businesses, industries and electrical networks, offering:

- Unlimited cycling with no degradation for over 30 years
- Absolute fire safety, with zero risk of thermal runaway
- Scalability from 4 MWh up to GWh+ projects
- Millisecond response capability and flexible discharge durations from 3-18 hours.

Invinity VFBs are ideally suited for projects in India including standalone storage or co-located with renewables, microgrids, and behind-the-meter applications.

While Invinity has carved a place for itself in the LDES marketplace, emerging as a reliable, sustainable and commercially viable alternative for long duration energy storage needs, we believe the strategic alignment of interests of Atri and Invinity will be an important step in the direction towards achieving deep decarbonisation of energy sources for the world.

LOCAL PRESENCE & STRATEGIC PARTNERS

In September 2025, Invinity was pleased to announce the establishment of a relationship with its new strategic partner, Atri Energy Transition (Atri). Together, Invinity and Atri entered the Indian market to offer high quality, domestically manufactured vanadium flow batteries for the first time.

INVINITY AND ATRI ENERGY TRANSITION OFFER CUSTOMERS:

- World-class VFB technology
- Regional manufacturing
- Local engineering resources
- Local support personnel



S. Kishore
Promoter,
Atri Energy Transition



LEARN MORE ABOUT INVINITY IN INDIA & CONTACT OUR TEAM

INVINITY'S GLOBAL FOOTPRINT

**GET MORE
BATTERY™**



7.7 GWh

ENERGY DISCHARGED
SINCE 2022

190+ MWh

DEPLOYED, CONTRACTED
OR AWARDED WORLDWIDE

96 PROJECTS

ACROSS 15 COUNTRIES
ON FIVE CONTINENTS

CUSTOMER TESTIMONIALS

"I've been tracking on Invinity's advanced battery storage technology for a few years, but once I met Invinity's leadership team I truly understood why Invinity's technology is superior to other energy storage solutions. Invinity is dedicated to its customers in meeting our needs for utility-scale energy storage. Invinity is hyper-focused on high quality manufacturing of its battery storage technology. When it comes to quality, they will not waver - you will find in this industry that quality is not always the number one priority. Invinity's technology is commercially proven, safe, long lasting and economical."

Dr. Craig Reiter
CSO & General Manager, Maada 'oozh



10 MWh

VIEJAS MICROGRID, Southern California
Invinity's largest project to date

"Invinity's energy storage systems take a good thing and makes it better. And that's what we're trying to do with renewable energy, take a good thing and make it better. Renewables often take heat for being intermittent, and batteries help. They're going to enable greater integration and penetration of renewables across the world. Canada can be a leader, both in the technology development as well as the roll out and commercialization and execution."

Jamie Houssian, Principal,
Elemental Energy



"Gamesa Electric believes the vanadium redox flow battery will be a key technology in order to achieve global decarbonisation goals, and this Endurium™ vanadium flow battery is the necessary utility-scale link for vanadium batteries to become part of this energy transition".

Damian Perez de Larraya,
Global Product Portfolio Manager,
ABB Renewable Energy



8.4 MWh

CHAPPICE LAKE SOLAR + STORAGE, Alberta
The largest of its type in Canada

1.2 MWh

V-ION PROJECT, La Plana, Zaragoza
Endurium demonstration site in Spain

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