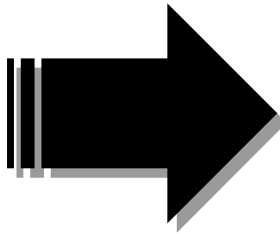




We Make Energy Storage Practical, Predictable, and Grid-Ready

Connections to Industry:

- DOE Smart Grid Demonstration Project (SGDP)
- PJM Alternative Technology Pilot Program (ATPP)



About Ashlawn Energy

Ashlawn Energy innovates vital energy storage solutions to challenges facing communities today.

We are in business to provide proven technical solutions, engage our community stakeholders by providing a productive local impact, and give meaning and a sense of purpose to all our stakeholders: employees, strategic alliance partners, and communities.

Ashlawn Energy creates advanced energy manufacturing jobs in the United States.

VAN-CHARGE™

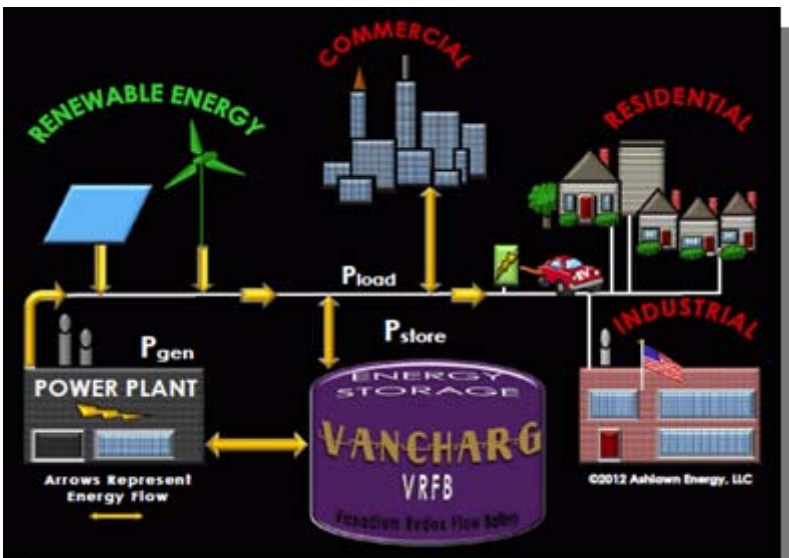
Vanadium Redox Flow Batteries for Energy Storage



About Ashlawn Energy Flow Batteries

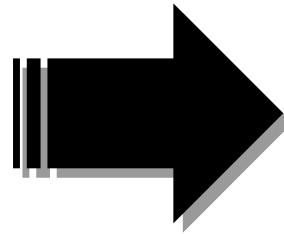
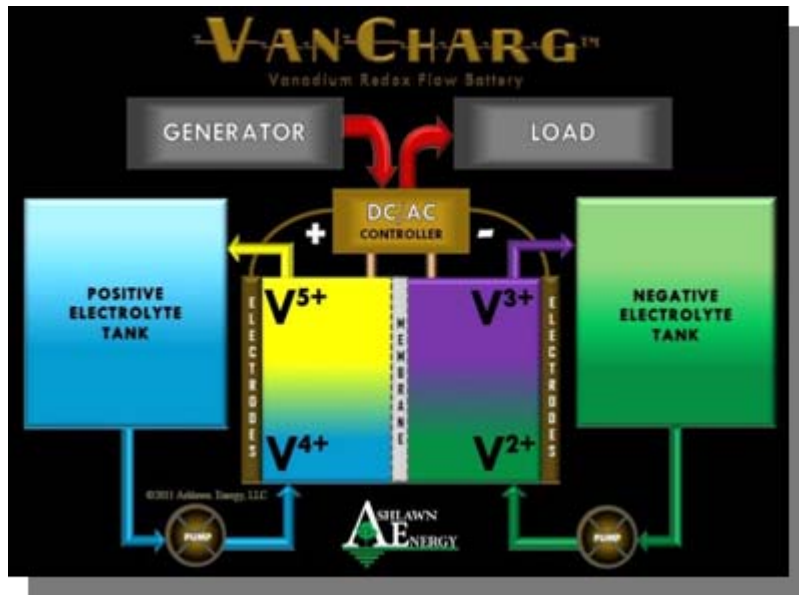
Flow batteries (also known as regenerative fuel cells) offer **grid-level storage** over long periods to **improve efficiency** and reduce carbon emissions from traditional power sources such as coal plants. They serve as the **missing link** needed to connect intermittent power sources such as wind and solar to the US power infrastructure.

VanCharg™ is the largest VRFB in the world with its 8MWh system currently being installed at the Painesville Municipal Electric Plant in Painesville, Ohio.



VANCHARG™

Vanadium Redox Flow Batteries for Energy Storage



Community Benefits of Our System

Firms Output for Wind & Solar Energy

Allows Efficient Scheduling of Operations to Reduce Demand Charges

Enhances Generation, Transmission, & Distribution

System Continuously Recycles – No Refueling

Accommodates Peak Shaving

Enables Demand Response
UPS Backup Generator

Scalable to
Multi-megawatt

Cost Effective

Made in
the
USA

VAN-CHARG™

Vanadium Redox Flow Batteries for Energy Storage