

Changing the way the world stores energy

Renuvi represents over a decade of research and development in next generation energy storage. Our nationally recognized team of engineers have developed a safe and reliable storage system to solve some of the worlds energy problems.

The Renuvi Sodium-Ion Storage System is our commercialized system designed to service the increasing demand for energy from all sectors by establishing a lower cost distributed power network capable of supporting demand all around the world.

Always On Energy Storage More Than A Battery



High costs, short life-spans, hazardous materials, and highly complex designs. These all pose a challenge for high-capacity energy storage.

Renuvi was created to solve these issues and bring flexible solutions to the power grid by providing a resource that is always on and always available.

The Renuvi system is designed as a combined energy production hub offering the ability to safely create power banks throughout the energy grid; from Inline Power Plants to renewable storage to EV charging stations. These power banks act as pass through load-leveling energy moderators, storing energy during low demand for discharge during peak use or unexpected emergency situations, all while supporting the shortcomings of the energy grid and servicing consumers directly.



Significant
Savings



Increased
Reliability



Environmentally
Safe

The Renuvi Advantage



Utilizes readily available materials - made entirely in the US



Operates consistently through an unlimited number of charge and discharge cycles



Longer lifespan than competing storage technologies



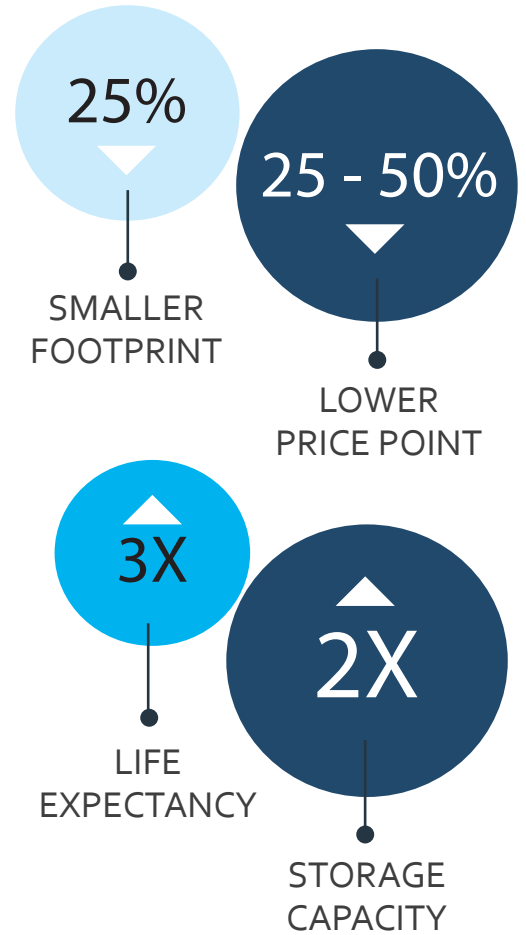
Materials and chemistry that do not harm the environment and carries no risk of spontaneous combustion



Higher energy storage than competing designs



Substantially lower manufacturing costs



Competitive Review

BATTERY TYPE	Wh/Kg	Wh/L	CELL V	CYCLES	\$/KwH
Lithium Iron	100	-	4	30,000	100
Lithium Cobalt	225	500	3	1,000	300
Sodium-Sulfur	200	151	3	3,000 - 5,000	400
Magnesium	225	290	0	10,000	200
Vanadium Flow	20	20	1	>100,000	350-1000
Lead Acid	30	80	2	350	250
Renuvi	227	500	2	>100,000	92

The VoltaPak Battery System maximizes cost savings when taking lifecycle into account

Other batteries need to be replaced 2-4 times during the lifespan of the VoltaPak