

The image features a logo for 'VTO ENERGIES' centered over a background of green foliage. The background is a close-up of leaves, with a bright light source in the upper right creating a bokeh effect of soft, glowing circles. The leaves are in various shades of green, from dark to light, and some are in sharp focus while others are blurred.

VTO
ENERGIES



WHO WE ARE?



We, at VTO Energies are just the agents of change, whose mission is to establish a fully Circular Economy. We're doing our part by trading Rare Earth metals such as Lithium, Cobalt, Nickel and Manganese from used Lithium-ion cells and achieving second life applications of discarded batteries.



We refurbish, recondition, repurpose many types of used batteries. VTO energies is committed to establishing the safety and dependability of second-life batteries, having pioneered advanced methodologies for evaluating, classifying, and repurposing these batteries.



VISION MISSION

Our vision is to transform how battery industry is perceived and give unflinching belief and constant endeavour to Rethink, Redesign, Restore and Reuse resources from end-of-life electronics and li-Ion batteries in an eco-friendly manner. The consumer technology sector is heavily involved in this. The need for lithium-ion battery energy storage worldwide as of 2022 is 400 GWh. This is expected to grow by a cautious 5x to 2000 GWh by 2030, with the main drivers of demand being electric cars (Evs).





BLACK MASS



LITHIUM (Li)



NICKEL (Ni)



COBALT (Co)



**MIXED HYDROXIDE
PRECIPITATE (MHP)**



MANGANESE (Mg)

A dark background featuring a small, glowing green battery and a piece of raw material. A faint 'Lithium' label is visible on the battery.

Raw material cost-optimization

Adopt low-carbon secondary raw materials as the cost-effective alternative to naturally extracted resources.

A close-up of a vibrant green leaf with prominent veins.

Environmental sustainability stewardship

Establish a closed manufacturing loop to contribute to a circular economy

A broken lightbulb lying on a grassy surface.

Government regulation compliance

Achieve waste management goals to comply with industry-specific government regulations.

WHY
WE ARE?

A large pile of industrial waste and debris under a cloudy sky.

Reducing landfills contamination

Reduction of toxic material prevents contamination of soil and water, reducing its hazardous impact on human health.

A close-up of a glowing green battery among other dark batteries.

Achieving second life applications of discarded batteries

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An aerial view of a mining site with a large pile of material.

Minimising dependency on natural mining

Promoting urban mining reduces demand for natural mining, contributing significantly to a greener future.



VTO ENERGIES

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