

# 香港綠色創新大獎

Hong Kong Green Innovations Awards

## GRST

皓智能源有限公司 —  
鋰離子電池的環保水性製造技術  
GRST Energy Limited —  
Green and Water-based Manufacturing of Lithium-ion Battery



皓智能源有限公司致力於開發以環保及可持續原則為基礎的鋰離子電池。通過獨有專利的電池水性生產和回收技術，於生產過程取代使用有毒有機溶劑，達到有效節約能源以及二氧化碳減排的效果，從而減少對環境的影響。

GRST Energy Limited is dedicated in developing lithium-ion battery based on the principles of environmental friendliness and sustainability. With the proprietary and patented water-based battery manufacturing and recycling technology, the environmental impacts can be alleviated through eliminating the use of toxic organic solvents during manufacturing process and thus enabling effective energy saving and reducing carbon dioxide emission.



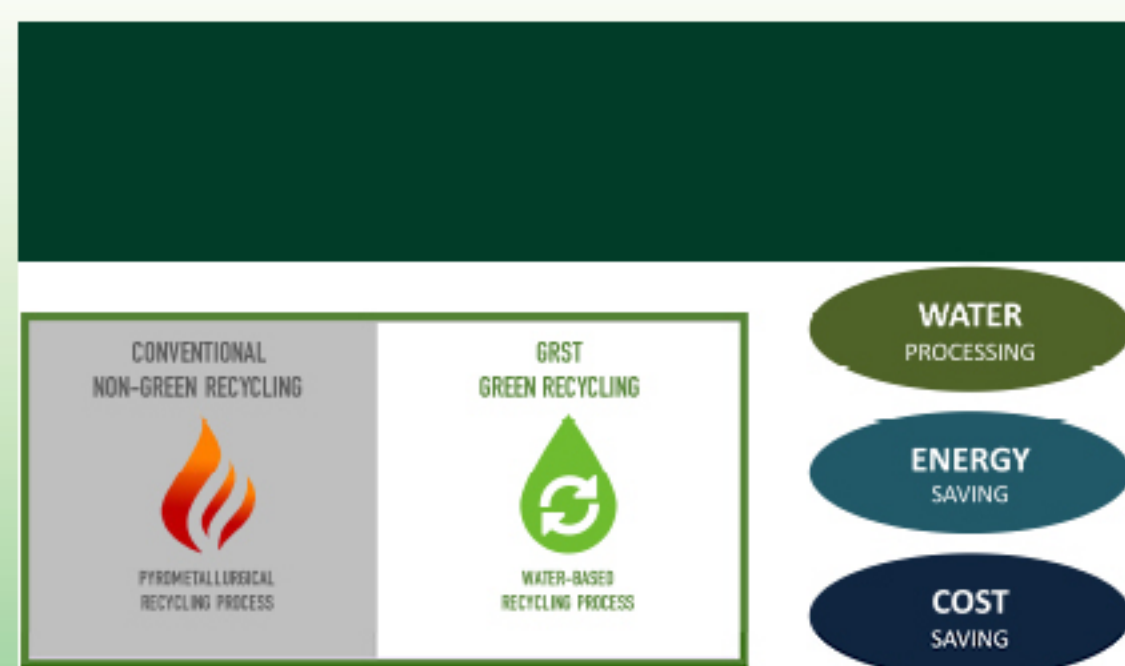
無需使用危險和有機物料作為電池的溶劑和黏合材料，降低對環境的影響。

Eliminating the use of hazardous and organic substance as solvent and binding material for the battery to lower the environmental impact.



項目採用水作為溶劑和無氟水性聚合物，有效降低製造過程中的碳排放量。

Adopting water as solvent and fluorine-free water-based polymer to effectively reduce the carbon emission in the manufacturing process.



透過直接的電池材料水基分離過程，實踐更簡單的電池回收流程及達至更高的物料回收率。

Enabling a simpler battery recycling process with a higher recovery rate of materials through direct water-based battery material separation process.