
GLOSSARY OF TECHNICAL TERMS

This glossary contains explanations of certain technical terms used in this Prospectus in connection with our Company and its business. Such terminology and meanings may not correspond to standard industry meanings or usage of those terms.

“AI”	artificial intelligence
“AGV”	automated guided vehicle
“CAM”	active materials used in the cathode of new energy batteries, responsible for storing and releasing electrical energy during charge and discharge cycles.
“cobalt-based materials”	cobalt-based new energy materials, mainly include LCO pCAM
“EPC”	engineering procurement construction
“ERP”	enterprise resource planning
“ESS”	energy storage system
“EV”	new energy vehicles, mainly comprising of battery electric vehicles and plug-in hybrid electric vehicles
“eVTOL”	electric vertical take-off and landing aircraft, an aircraft that uses electric power to hover, take off, and land vertically
“electrolytic nickel”	a high-purity form of nickel produced through electrolysis
“high-grade nickel matte”	an intermediate smelting product with a nickel content typically exceeding 70%
“high-nickel pCAM/product”	nickel-based pCAM with nickel content of at least 80 mol%
“IoT”	Internet of Things
“LCO”	lithium cobalt oxide (LiCoO_2), a chemical compound and a commonly used CAM in lithium-ion batteries
“LFMP”	lithium iron manganese phosphate (LiFeMnPO_4), a type of lithium-ion battery CAM made up of lithium, iron, manganese, and phosphate
“LFP”	lithium iron phosphate (LiFePO_4), a chemical compound and a commonly used CAM in lithium-ion batteries
“LME”	the London Metal Exchange
“low-grade nickel matte”	an intermediate smelting product with a nickel content typically ranging between 10% to 30%
“MB”	the Metal Bulletin
“MES”	manufacturing execution system

GLOSSARY OF TECHNICAL TERMS

“MHP”	mixed hydroxide precipitate, a nickel intermediate product used in the production of nickel sulfate, nickel plate, and other nickel-cobalt materials
“mid-nickel pCAM/product”	nickel-based pCAM with nickel content of at least 50 mol%
“NCA”	nickel cobalt aluminum, a nickel-based CAM made up of nickel, cobalt and aluminum
“NCM”	nickel cobalt manganese, a nickel-based CAM made up of nickel, cobalt and manganese in varying proportions
“new energy battery materials”	materials used in the production of new energy batteries, including CAM and their corresponding pCAM, anode, electrolyte fluid and separators
“new energy materials”	materials that include (i) new energy battery materials, and (ii) new energy metals
“NFPP”	Sodium iron phosphate compound ($\text{Na}_4\text{Fe}_3(\text{PO}_4)_2\text{P}_2\text{O}_7$), a chemical compound and a polyanion type of Sodium-ion cathode active material
“new energy metals”	metals including lithium, nickel, cobalt and copper and their intermediates, which are essential raw materials for producing new energy battery materials and other materials in the new energy industry
“nickel-based materials”	Nickel-based new energy materials, mainly include NCM/NCA pCAM
“nickel matte”	a nickel intermediate in the extraction and smelting of nickel, including for example, low-grade nickel matte and high-grade nickel matte
“nickel sulfate”	an inorganic compound with the chemical formula NiSO_4
“NPI”	nickel pig iron, a low grade ferro-nickel alloy with a nickel content typically below 15%
“OESBF”	a pyrometallurgical technique, utilizing oxygen-enriched side-blown furnace to smelt metal ores
“pCAM”	cathode active material (CAM) precursors, the raw materials or precursor compounds used to produce CAM for batteries
“phosphorus-based materials”	phosphorus-based new energy materials, mainly include LFP/LFMP pCAM and LFP/LFMP CAM
“RKEF”	a pyrometallurgical technique, utilizing rotary kiln electric furnace to smelt metal ores
“SAP”	system applications and products
“SHFE”	the Shanghai Futures Exchange

GLOSSARY OF TECHNICAL TERMS

“SMM”	the Shanghai Metals Market
“sodium-based materials”	sodium-based new energy materials, mainly include sodium-based pCAM and CAM
“UAV”	unmanned aerial vehicle
“ultra-high nickel pCAM/product”	nickel-based pCAM with nickel content of at least 90 mol%
“XRD data”	the information obtained from an X-ray diffraction experiment used to analyze the crystal structure, phase identification, and crystallographic properties of materials
“5G”	5th Generation Mobile Communication Technology