

## GLOSSARY OF TECHNICAL TERMS

*In this document, unless the context otherwise requires, explanations and definitions of certain terms used in this document in connection with our Company and our business shall have the meanings set out below. The terms and their meanings may not always correspond to standard industry meaning or usage of these terms.*

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| “agglomeration”               | the process by which particles cluster or adhere together to form larger aggregates or masses, which may affect the dispersion, conductivity and processing performance of materials                                                                                                                                           |
| “AI”                          | artificial intelligence                                                                                                                                                                                                                                                                                                        |
| “amorphous carbon”            | a form of carbon that lacks a well-defined crystalline structure, consisting of irregularly arranged carbon atoms and commonly formed as a by-product during carbon material synthesis processes                                                                                                                               |
| “aspect ratio”                | the ratio of the length to the diameter of a particle or structure, commonly used to describe the geometric characteristics of fibrous or tubular materials such as CNTs                                                                                                                                                       |
| “CAGR”                        | compound annual growth rate                                                                                                                                                                                                                                                                                                    |
| “conductive carbon black”     | a conductive carbon material used in new energy batteries, consisting of spherical or near-spherical carbon particles that form a conductive network through point contact                                                                                                                                                     |
| “conductive carbon materials” | carbon-based materials with electrical conductivity properties that are used to enhance electron transport and conductivity performance in applications such as batteries, electronics and energy storage systems                                                                                                              |
| “CNT”                         | carbon nanotube, a novel conductive carbon material, comprising a seamless, nanoscale tube formed by rolling one or more layers of graphene sheets around a central axis at a specific helical angle                                                                                                                           |
| “CVD”                         | chemical vapor deposition, a process for producing solid materials through chemical reactions of gaseous precursors on a substrate or catalyst surface                                                                                                                                                                         |
| “dispersion”                  | the degree to which particles are uniformly distributed within a medium, which affects the stability, conductivity and processing performance of the material system                                                                                                                                                           |
| “ERP”                         | enterprise resources planning, an integrated software platform that centralizes and manages core business processes, including finance, human resources, manufacturing, supply chain, procurement and inventory, enabling real-time data visibility, resource optimization, and operational efficiency across the organization |

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| “ESS battery”             | a battery used for energy storage system                                                                                                                                                                                      |
| “EV battery”              | a battery used in EV and other hybrid vehicles, machinery, vessel, aircraft and other mobility applications                                                                                                                   |
| “ESS”                     | energy storage systems                                                                                                                                                                                                        |
| “FCCVD”                   | floating catalyst chemical vapor deposition, a chemical vapor deposition process in which catalyst particles are introduced and suspended in the reaction system to enable the continuous synthesis of materials such as CNTs |
| “furnace method”          | a production process in which carbon materials are synthesized or processed through high-temperature thermal treatment in a furnace reactor                                                                                   |
| “FWCNT(s)”                | Few-walled carbon nanotube                                                                                                                                                                                                    |
| “G/D ratio”               | the ratio of the G band to the D band intensity in a Raman spectrum, commonly used to evaluate the degree of graphitization, crystallinity and defect level of carbon materials                                               |
| “gas method”              | a production process in which gaseous raw materials are thermally decomposed or chemically reacted to synthesize carbon materials or other products                                                                           |
| “graphene”                | a carbon nanomaterial that forms a surface-contact conductive network                                                                                                                                                         |
| “GWh”                     | gigawatt-hour, a unit of energy equal to one billion watt-hours, commonly used to measure electricity generation, storage capacity or power consumption                                                                       |
| “lithium-ion battery”     | batteries that utilize lithium-ions as conductive ions that move between the anode and cathode, and charge and discharge through the mutual conversion of chemical energy and electrical energy                               |
| “multi-metallic catalyst” | a catalyst composed of two or more metallic elements that work synergistically to enhance reaction efficiency, selectivity or material synthesis performance                                                                  |
| “MWCNT(s)”                | Multi-walled carbon nanotube(s)                                                                                                                                                                                               |
| “NAS”                     | network-attached storage, a dedicated data storage system connected to a network that enables multiple users or devices to store, access and manage data centrally                                                            |
| “NMP”                     | N-Methyl-pyrrolidone, an organic solvent                                                                                                                                                                                      |

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| “oil absorption number” | the volume of oil that a given mass of a material can absorb, typically used as an indicator of its structure, porosity and dispersion characteristics                                                                                     |
| “oxidation”             | a chemical reaction in which a substance loses electrons or reacts with oxygen, often resulting in changes to the chemical composition, structure or surface properties of a material                                                      |
| “particle”              | a small discrete unit of material, including solid, liquid or gaseous matter, characterized by its size, shape and physical or chemical properties                                                                                         |
| “PECVD”                 | plasma-enhanced chemical vapor deposition, a chemical vapor deposition process that utilizes plasma to enhance chemical reactions and enable material deposition at relatively lower temperatures                                          |
| “reactor”               | a vessel or system designed to carry out and control chemical or physical reactions under specified operating conditions such as temperature, pressure and atmosphere                                                                      |
| “R&D”                   | research and development                                                                                                                                                                                                                   |
| “slurry viscosity”      | the measure of a slurry’s resistance to flow, which affects its mixing, coating, pumping and processing performance                                                                                                                        |
| “specific surface area” | the total surface area per unit mass of a material or particle, which influences properties such as reactivity, adsorption capacity and conductivity performance                                                                           |
| “SWCNT(s)”              | single-walled carbon nanotubes                                                                                                                                                                                                             |
| “wall”                  | a concentric graphene layer forming the tubular structure of a carbon nanotube, the number of which indicates how many graphene cylinders are nested within the nanotube structure, such as in single-wall, double-wall or multi-wall CNTs |