

CARBON FOR Si/C COMPOSITES IN Li-ION BATTERY ANODES

“ HCE 402/403 for Silicon Carbon Composites ”



Our premium carbons are designed to enhance silicon-carbon composites, offering exceptional efficiency and endurance. With the consistent high surface area and pore volume , our carbons are tailored to meet the high energy density required from silicon carbon composites for Li-Ion batteries. We have special processes implemented to make high purity and optimal surface functional groups whilst removing sub-micron particles for better surface morphology to optimize the performance of Silicon Carbon Composites.

TECHNICAL INFORMATION

Parameter	HCE 402 Specification	HCE 403 Specification
Surface Area (m ² / g)	Min 1800	Min 2000
Particle Size D50(μm)	5-7/ 7-9	5-7/ 7-9
Ash(% by Wt)	Max 0.06	Max 0.06
Apparent Density (g/cc)	Min 0.36	Min 0.33
pH	6-8	6-8

*We offer tailored solutions for particle size, providing both powder and granular forms to meet specific customer requirements.

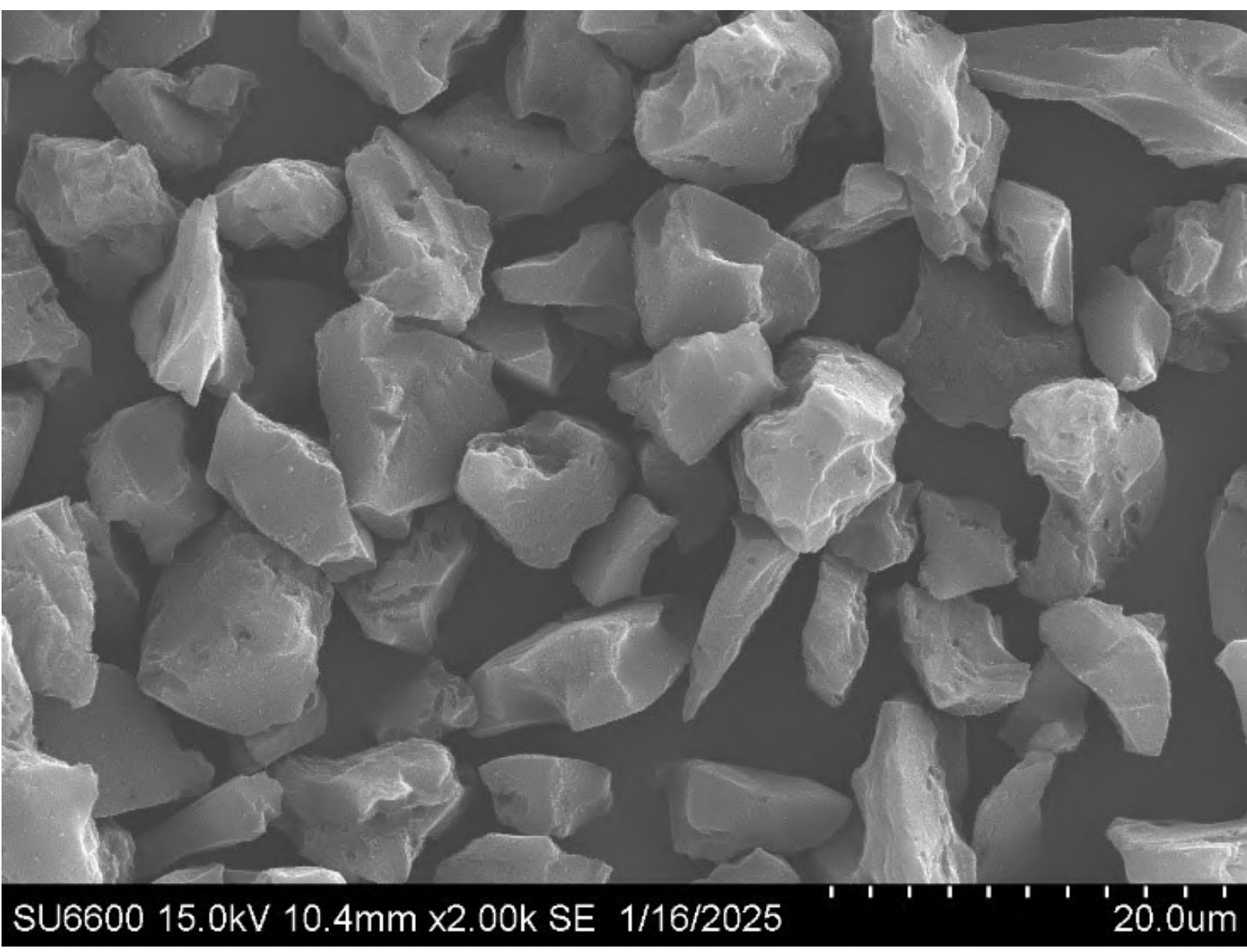
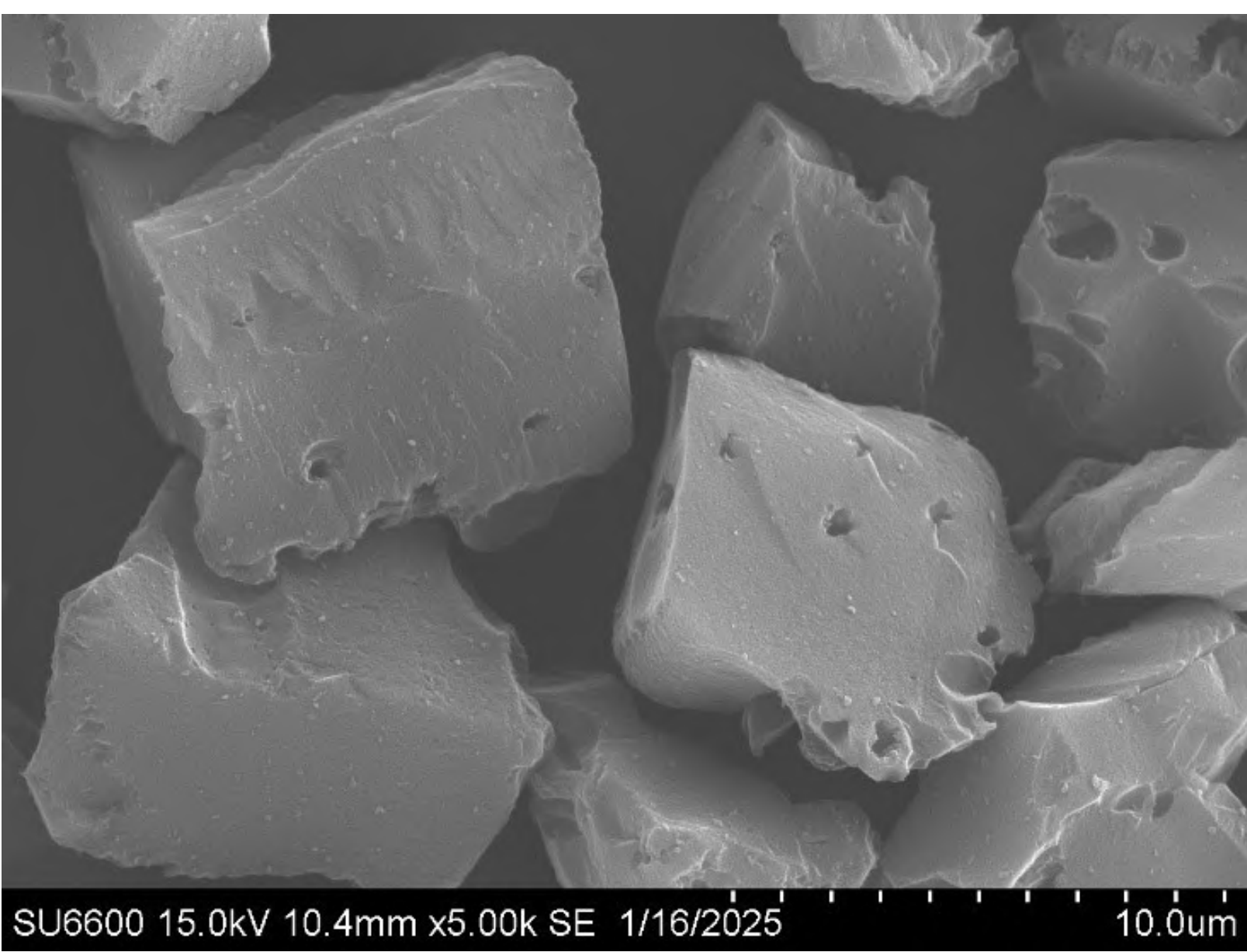
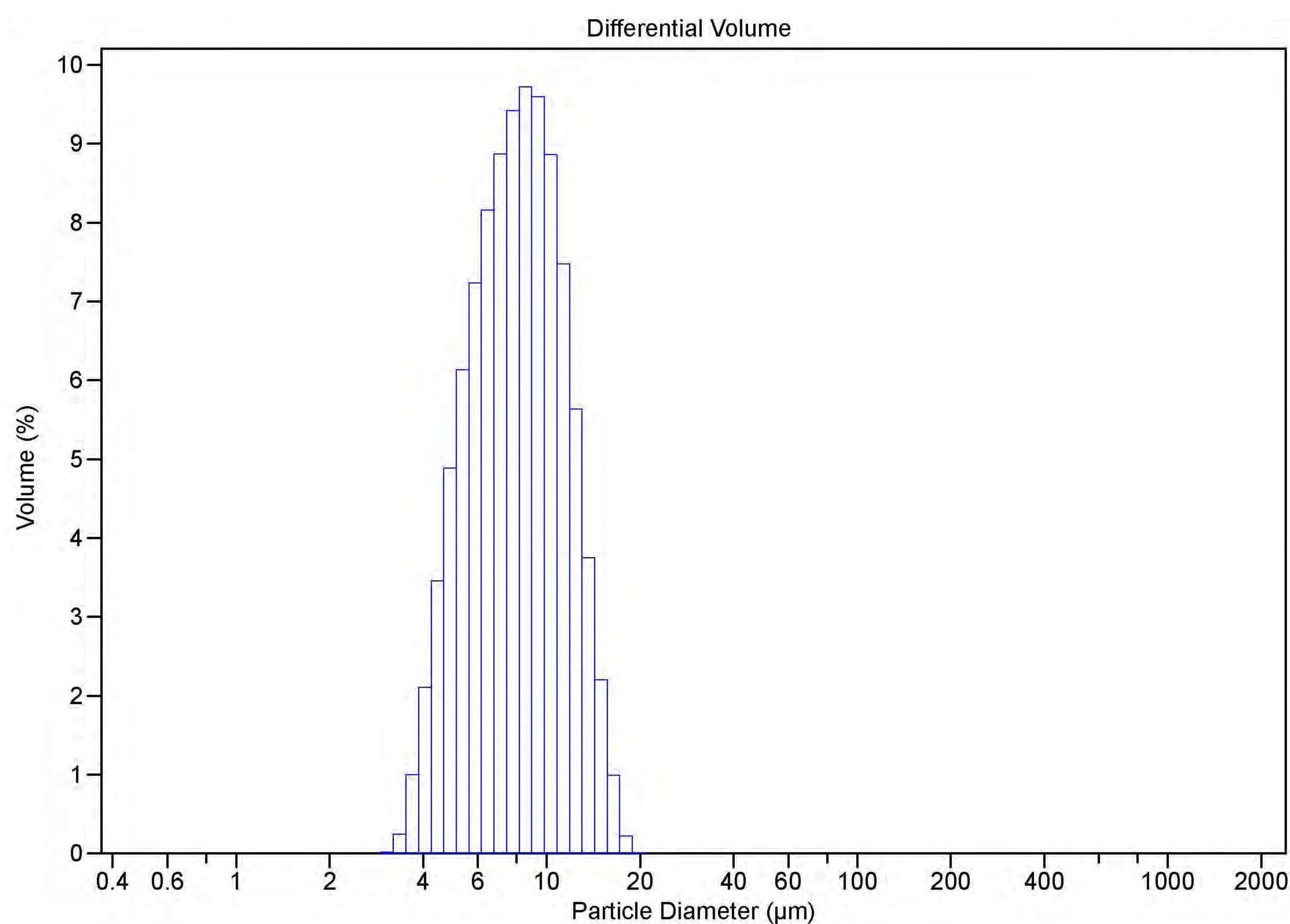
CHARACTERISTICS

- Optimized pore size distribution
- Modified surface characteristics
- Controlled & unique porosity of the activated carbon precursor to enhance electrochemical characteristics
- Customer specific PSD to support smooth & uniform Silicon dispersing process
- High purity to ensure long life cycle & stability
- Controlled Functional Groups
- Removal of sub-micron particles



PRECISE CONTROL OF PARTICLE SIZE DISTRIBUTION

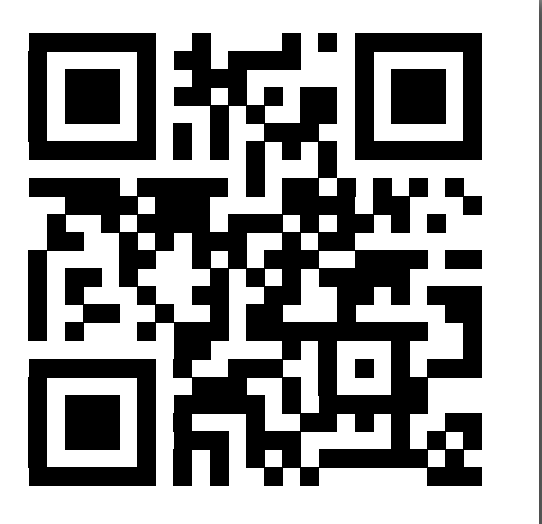
IMPROVED SURFACE MORPHOLOGIES



PACKAGING: Standard packaging is primarily designed to prevent the deterioration of accurately graded granules and to prevent the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated upon request.

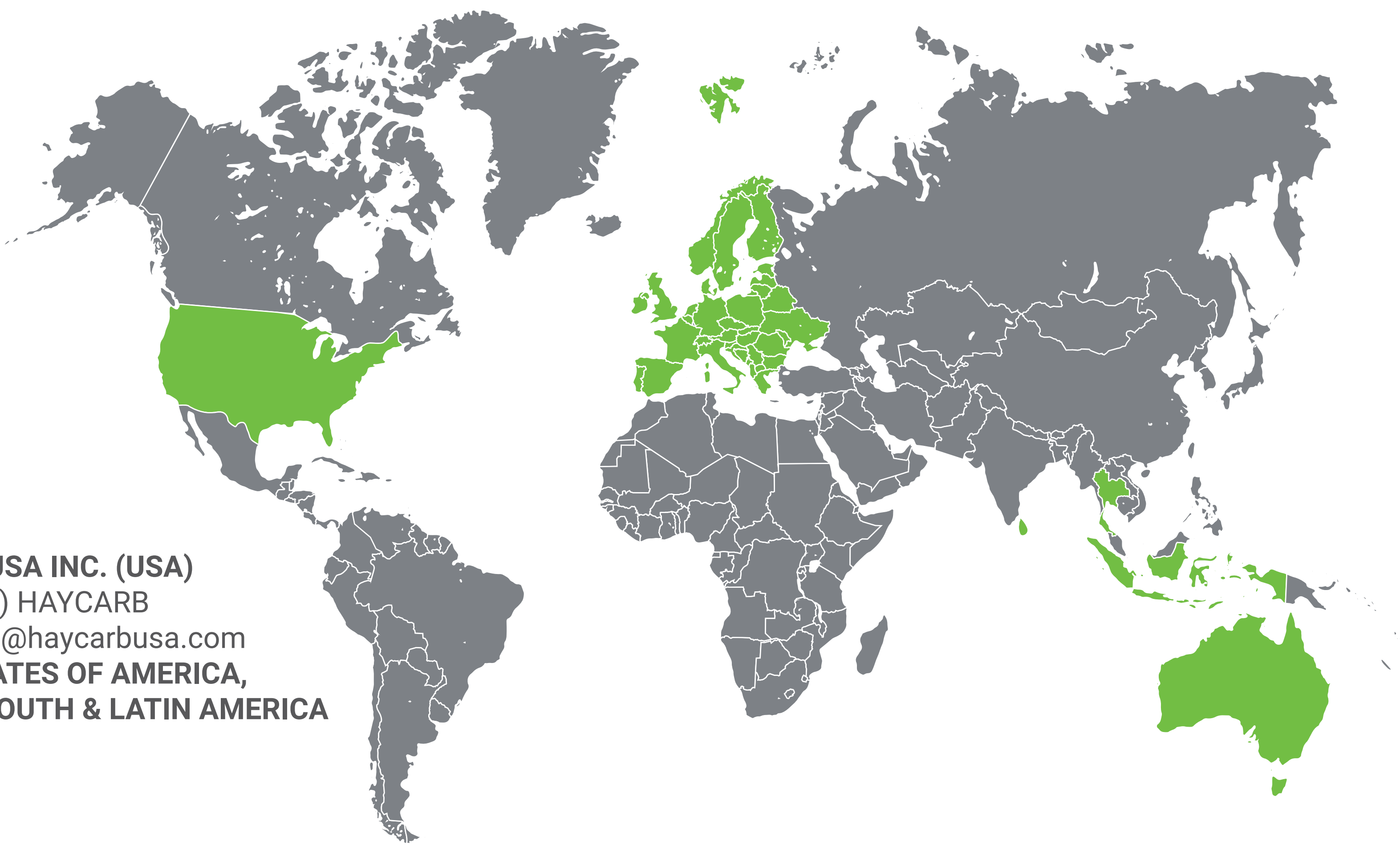
BULK BAG
Net. 300 kg

SACKS
Net. 10 kg



'ACTIVATE' Haycarb's
ESG roadmap 2030

CONTACT US



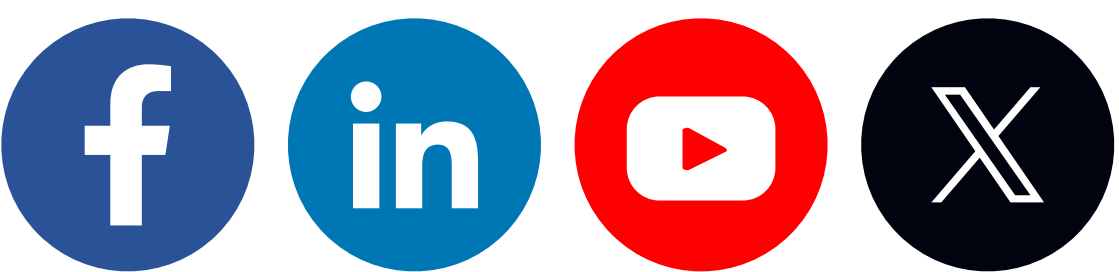
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