



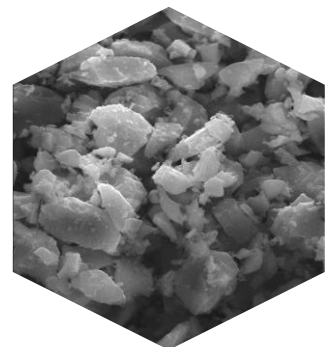
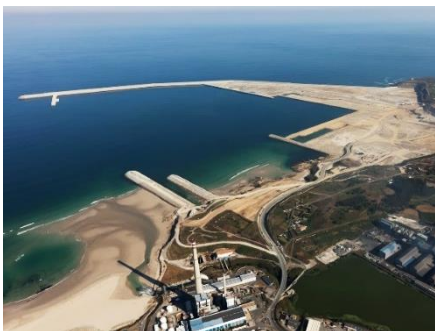
Sil4Batt™ Advanced Silicon Material for Anodes

Ferroglobe is a global leading producer of silicon metal and its alloys and provides best-in-class services to customers worldwide in fast-growing and dynamic end-sectors such as solar, automotive, consumer products, construction or energy.

Sil4Batt™ is a high purity sized metallurgical silicon, designed to increase energy density of anodic materials.



- Piloted and produced responsibly in the Ferroglobe Sabón plant located in Spain
- Extremely consistent quality
- Functional as active anode material in Lithium-ion batteries or as precursor for advanced components
- Demonstrated outstanding electro-chemical performance in full-cells LiB designed with silicon rich anodes
- The most cost competitive high energy density material in €/kWh
- Available in large quantity

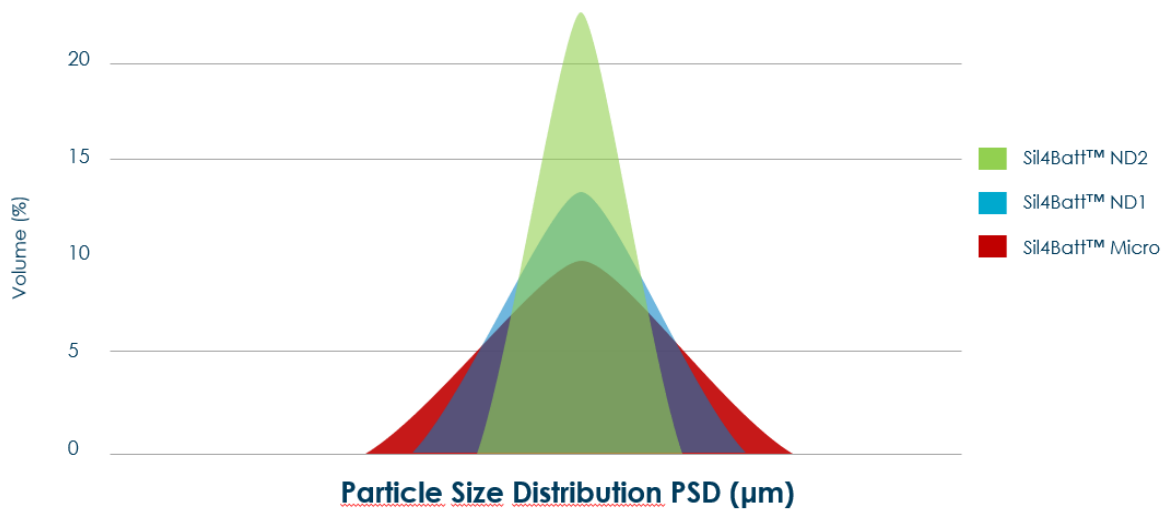




- Expert in pyro-metallurgy with proprietary technology on silicon purification
- State-of-the-art laboratory with dedicated R&D facilities
- Complete value chain from quartz (own mines) to finished silicon products
- Chemicals-free process
- Lowest carbon footprint
- ISO 90001, ISO 14001, ISO 50001, and OHSAS 18001 certified

Physical and Chemical Characteristics:

Products	Purity	Al (%)	Ca (%)	Fe (%)	Ti (%)	Size (µm)
Sil4Batt™ Micro	99.90%	<0,02	<0,02	<0,05	<0,005	0-5, 0-10, 0-20
Sil4Batt™ ND1	99.90%	<0,02	<0,02	<0,05	<0,005	1-5
Sil4Batt™ ND2	99.90%	<0,02	<0,02	<0,05	<0,005	2-5
Sil4Batt™ Nano	99.90%	<0,02	<0,02	<0,05	<0,005	< 0.3



- Available in various particle size distributions
- High control on fines and coarser sizes
- Low oxygen content
- Tailor-made finishing treatments on customer request

Please consult with us directly for more information.

Contact us: E-mail: innovation@ferroglobe.com / Website: www.ferroglobe.com

