

Company description

Word count: 100 words

Nexeon Ltd. ('Nexeon') is a battery materials and licensing company developing silicon anodes for the next generation of lithium-ion battery.

Nexeon's unique silicon anode material unlocks the potential of silicon to deliver increased capacity without compromising lithium-ion battery cycle life, providing lighter batteries with more power and longer lifetime between charges.

Nexeon has filed a sequence of patents including high-aspect ratio silicon materials and the use of such materials in lithium-ion batteries. It has developed a number of proprietary processes and equipment for producing the material and making electrodes.

Nexeon operates a fully automated and instrumented pilot plant, demonstrating clear costs and the path to full-scale manufacturing.