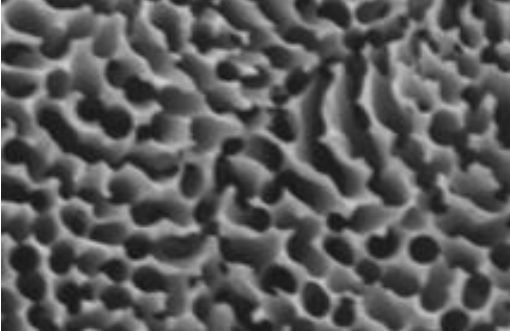





## *E-magy™ nano sponge powder*

*A porous silicon nano powder that enables higher Li-ion battery anode energy densities without charge-discharge degradation*

<i>Features</i>	<i>Application</i>
<ul style="list-style-type: none"> <li>🔄 Micro size particles with a nano sponge structure inside, which accommodates the charge/discharge expansion</li> <li>🔄 Basic porosity of about 35%, with an optional range between 35% and 70% porosity</li> <li>🔄 Average particle sizes in the range of 10 <math>\mu\text{m}</math>, with an optional range between 5<math>\mu\text{m}</math> and 15 <math>\mu\text{m}</math></li> </ul>	<ul style="list-style-type: none"> <li>🔄 For application in the anodes of various cell types and battery applications in the Li-ion battery anode market</li> <li>🔄 Premium performance against attractive cost, enabling cycle stability at enhanced energy densities</li> <li>🔄 A drop in material in the existing anode supply chain, with excellent scaling opportunities</li> </ul>

### *Imagination*


<i>E-magy™ nano sponge structure</i>	<i>E-magy™ nano sponge powder</i>
	

<i>Li-ion batteries capacity +50%</i>	<i>Li-ion battery anode density x3</i>
	





### E-magy technology and materials

RGS casting process	E-magy material manufacturing
	

### References

reference institutes	E-magy B.V.
  	

### Services

Qualification	Manufacturing
<ul style="list-style-type: none"> <li> Sample supply for initial testing</li> <li> Development and sample supply for customized structures, to serve dedicated cell configurations</li> </ul>	<ul style="list-style-type: none"> <li> Incubation manufacturing services</li> <li> Volume manufacturing, with an initial capacity ramp up to 50tons/year</li> </ul>



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