Nanoramic Laboratories

The Future of Li-ion Energy Storage

Available Today

www.nanoramic.com

Legal Disclaimer

The information provided herein by FastCap System Corporation d/b/a Nanoramic Laboratories (Nanoramic) is correct to the best of Nanoramic's knowledge, but is provided for discussion and informational purposes only. The information along with the price and availability of any product are subject to change without notice. Nanoramic shall not be liable for any errors, facts, or opinions contained herein. Customers must satisfy themselves as to the suitability of this product for their application. Nanoramic is not responsible for any loss as a result of any person placing reliance on anything contained herein.

RECIPIENT USE ONLY

This document contains information that is proprietary to Nanoramic and its affiliates. By accepting this document, you agree not to disclose this document or any of the information contained therein to any third party without the express prior consent of Nanoramic. Any distribution or dissemination of this document or the information contained therein without express permission of Nanoramic is strictly prohibited. This document and the information contained in this document may only be used by you to consider a business relationship with Nanoramic, such as an investment in securities to be issued by Nanoramic. Any other use of this document or the information contained therein without the express permission of Nanoramic is strictly prohibited.

FORWARD-LOOKING STATEMENTS

This document contains forward-looking statements, which include statements related to future business or financial performance, future events or future developments. In addition, representatives of Nanoramic may from time to time make oral forward-looking statements. Such statements are based on the current expectations, projections, estimates and assumptions of Nanoramic's management. Such statements are subject to a number of risks, uncertainties and factors, which could cause actual results to differ materially from those anticipated. Such statements are beyond Nanoramic's control but are based on Nanoramic management's beliefs, as well as on assumptions made by and information available to management at the time of preparation of this document and involve significant subjective judgments. Actual results, performance or achievements may differ materially from these expectations, projections, estimates or assumptions. Accordingly, no representations are made as to their attainability. Nanoramic neither intends, nor assumes any obligation, to update or revise these forward-looking statements in light of developments which differ from those anticipated.

ACCREDITED INVESTOR STATUS

Any information regarding investment in Nanoramic is intended only for, and may only be reviewed by, persons who qualify as accredited investors as defined by Rule 501 of Regulation D promulgated under the United States Securities Act of 1933 as amended. Except where otherwise indicated, this document speaks only as the date hereof.

Market Innovator Since Inception –
Well-Positioned to Transform the Energy Storage Market

Li-ion Batteries

Neocarbonix AT THE CORE

Lower Cost/KWh -20%

Higher Energy Density +30%

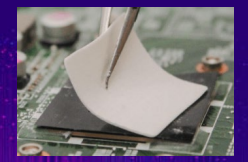
Faster Charging 15 minutes

Grants for Research to Advance Energy Storage Nano-technology

NASA · Department of Energy · arpa·e · AFWERX · Missile Defense Agency · Department of Defense

Thermexit™ A Nanoramic® Labs Technology

Thermal Interface Materials



2009 - 2015	2016	2017	2018	2019	2020	2021

Founded out of MIT

FastCap® Ultracapacitors A Nanoramic® Labs Technology

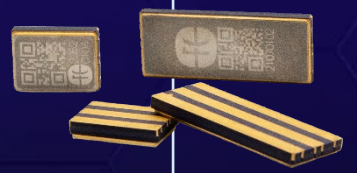
Extreme Environment
- Aerospace & Defense
- Oil & Gas

WindSail Capital Group

Designed for aerospace supercapacitors.

Ready for next-chapter EV batteries.

HALLIBURTON



Chip Ultracapacitors

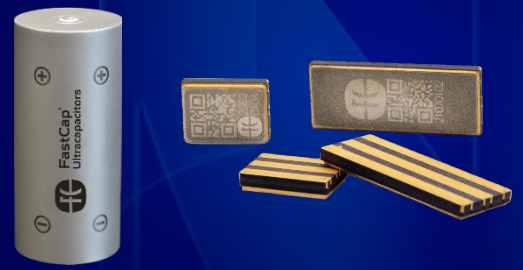
FORTISTAR SUSTAINABLE PERFORMANCE

Nanoramic Laboratories – Business Segments

FastCap® Ultracapacitors

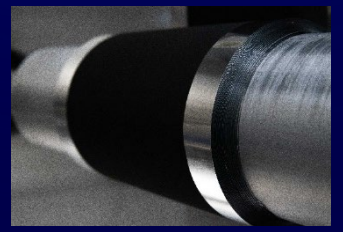
A Nanoramic® Labs Technology

FastCap® Ultracapacitors is an industry leader in harsh environment energy storage, producing the only ultracapacitors capable of operating in temperatures up to 150°C and under conditions of high shock and vibration. FastCap's ultracapacitor technology is derived from years of government funded R&D in advanced materials.



Neocarbonix™ AT THE CORE

Neocarbonix™ at the Core is an electrode technology for rechargeable Li-ion batteries, Li-ion capacitors, and supercapacitors. Neocarbonix electrodes are created using a low-cost process with an advanced 3D nanocarbon binding structure. The resulting product provides greater power, energy density, and performance in extreme environments compared to traditional battery designs.



Thermexit™

A Nanoramic® Labs Technology

Thermexit™ is a line of high-end thermal interface gap filler pads. Nanoramic's® gap fillers are a non-reactive, non-silicon, no cure system featuring high thermal conductivity and high thermal stability. Nanoramic® produces 2 novel product lines, a High-Performance TIM Gap Filler and an Electrically Insulating TIM Gap Filler.

Nanoramic Labs manufactures Li-ion cells with *NEOCARBONIX™ at the Core technology*

- The Neocarbonix™ at the Core technology **is applicable to** Li-ion cathode, Si-anode, and Supercapacitor electrodes

Current PVDF

Industry Standard Polymer Binders for Cathodes (PVDF)

Replaced With…

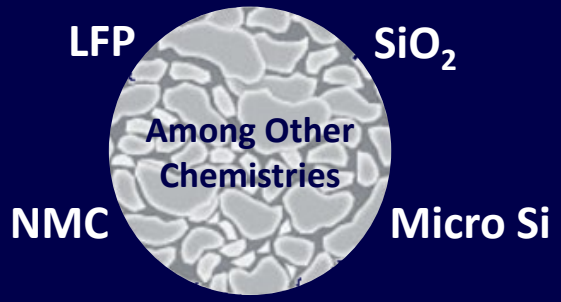
Neocarbonix™ AT THE CORE

3D carbon binding structure

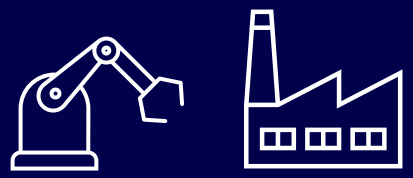
NMP-free, PVDF-free coating process for:

- **All cathodes**
- **Silicon anodes**
- **High mass loading (> 6.0 mAh/cm²)**

NEOCARBONIX™ at the Core Value Proposition & Ease of Use –
Immediate Applications & Cost Savings for All Li-ion & Solid-State Batteries



Compatible with Any Active Material in Li-ion & Solid-State Batteries



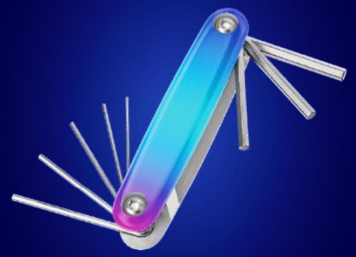
Drop-in Replacement to Existing Manufacturing & Infrastructure

Lower Cost/KWh

Higher Energy Density

Faster Charging

Use Same Equipment

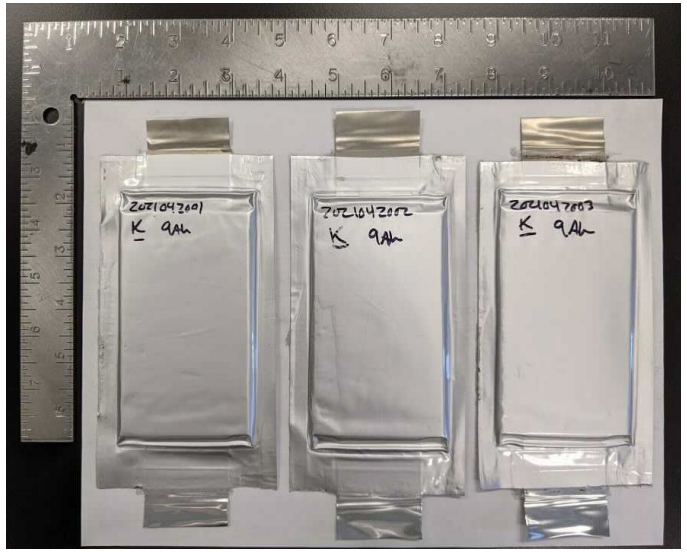


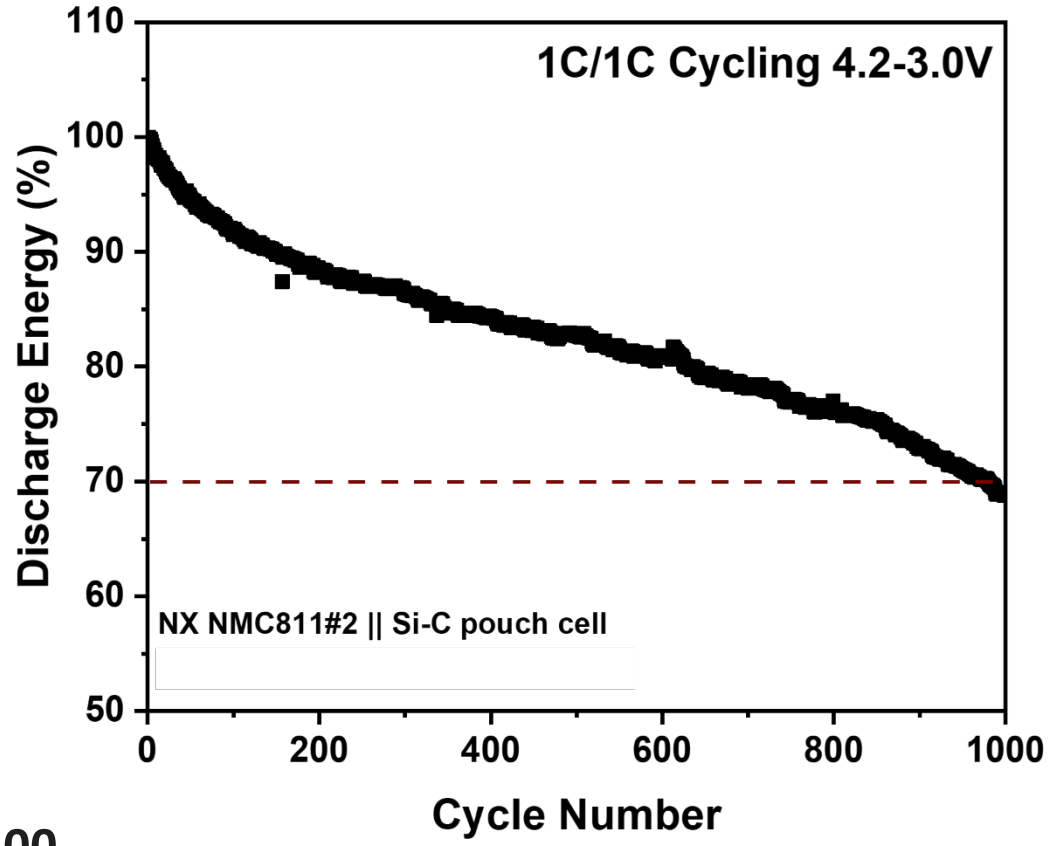
Long Cycle Life

Environmentally Friendly

NEOCARBONIX SILICON DOMINANT ANODE – NMC811||– 9 Ah CELLS

Cell Capacity	Specific Energy	Energy Density
9Ah Cell	≥315 Wh/kg	**≥820 Wh/L**





- **≥315 Wh/kg, ≥820 Wh/L in 9 Ah format cells:**
- **Less than 8.8% volume expansion from SOC0 to SOC100**
- **Excellent cycle stability: ~70% at 1000 cycles**

Battery Gigafactory - Concept

Nanoramic Laboratories

Will build and operate a US-based Gigafactory

Max $60MM
Min $40MM
Equity

North American Customers

Invest to secure high-performance
Li-ion battery supply *Made in the USA*

Min $40MM
Max $60MM
Equity

US Government Funding

For expansion to 3GWh via the infrastructure bill
($3Bn available for cell manufacturing)

$100MM
Matching
Grant

1.5 GWh → 3 GWh Gigafactory in the US

Targeted Facility Completion: Q4 2023

Nanoramic Laboratories

CONTACT US

Mitch Koffel
VP of Business Development

mitch@nanoramic.com
+1 713-304-4184

21 Drydock Ave | Boston, MA 02210 | www.nanoramic.com