



Advancing Domestic, High-Performance, and Cost-Effective Hard Carbon and Carbon Nanotubes for Na-Ion Batteries

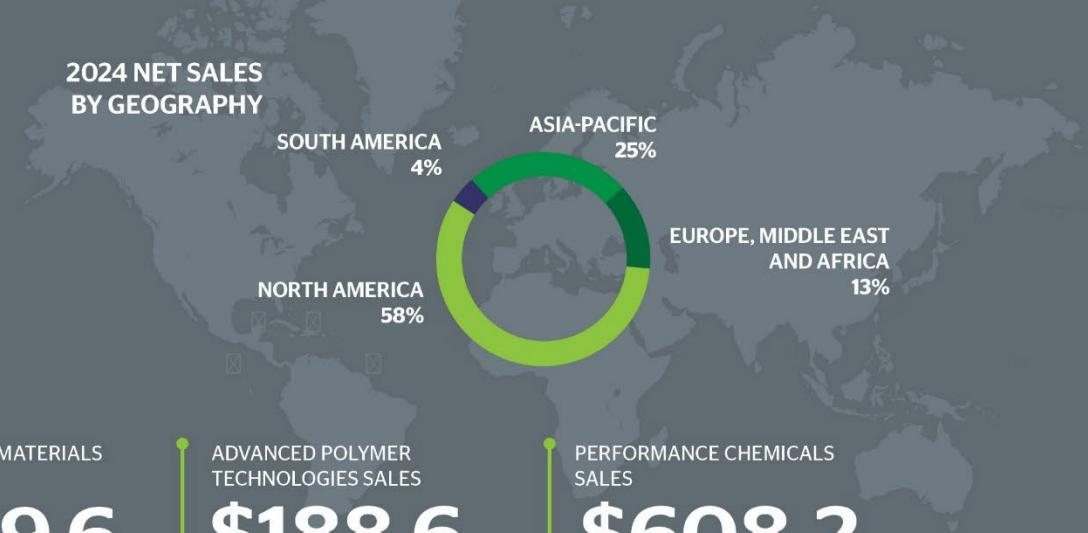
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Manager of Energy Storage

Nov. 18, 2025

INGEVITY (NGVT) AT A GLANCE

2024 NET SALES BY GEOGRAPHY



OUR BUSINESS IN 2024

NET SALES
\$1.4
BILLION

ADJ. EBITDA MARGIN¹
25.8%

\$3.51
DILUTED
ADJUSTED EPS¹

PERFORMANCE MATERIALS
SALES
\$609.6
MILLION

ADVANCED POLYMER
TECHNOLOGIES SALES
\$188.6
MILLION

PERFORMANCE CHEMICALS
SALES
\$608.2
MILLION

OUR COMPANY

EMPLOYEES GLOBALLY
~1,600

MANUFACTURING
SITES
11

LOCATIONS
24

TECHNICAL CENTERS
7

WE DO
BUSINESS IN
75
COUNTRIES

PERFORMANCE MATERIALS



MARKETS

- Automotive
- Food and beverage purification
- Water Treatment

ADVANCED POLYMER TECHNOLOGIES



MARKETS

- Automotive and transportation
- Bioplastics
- Consumer packaging
- Footwear and apparel
- Industrial equipment
- Medical and health

PERFORMANCE CHEMICALS



MARKETS

- Adhesives
- Agricultural chemicals
- Industrial intermediates
- Lubricants
- Oilfield
- Rubber



MARKETS

- Pavement construction
- Pavement markings
- Pavement preservation
- Pavement reconstruction and recycling

Innovating to Provide Solutions for EV and Energy Storage Batteries



Lithium ion Anode Material



Carbon Conductive Additives

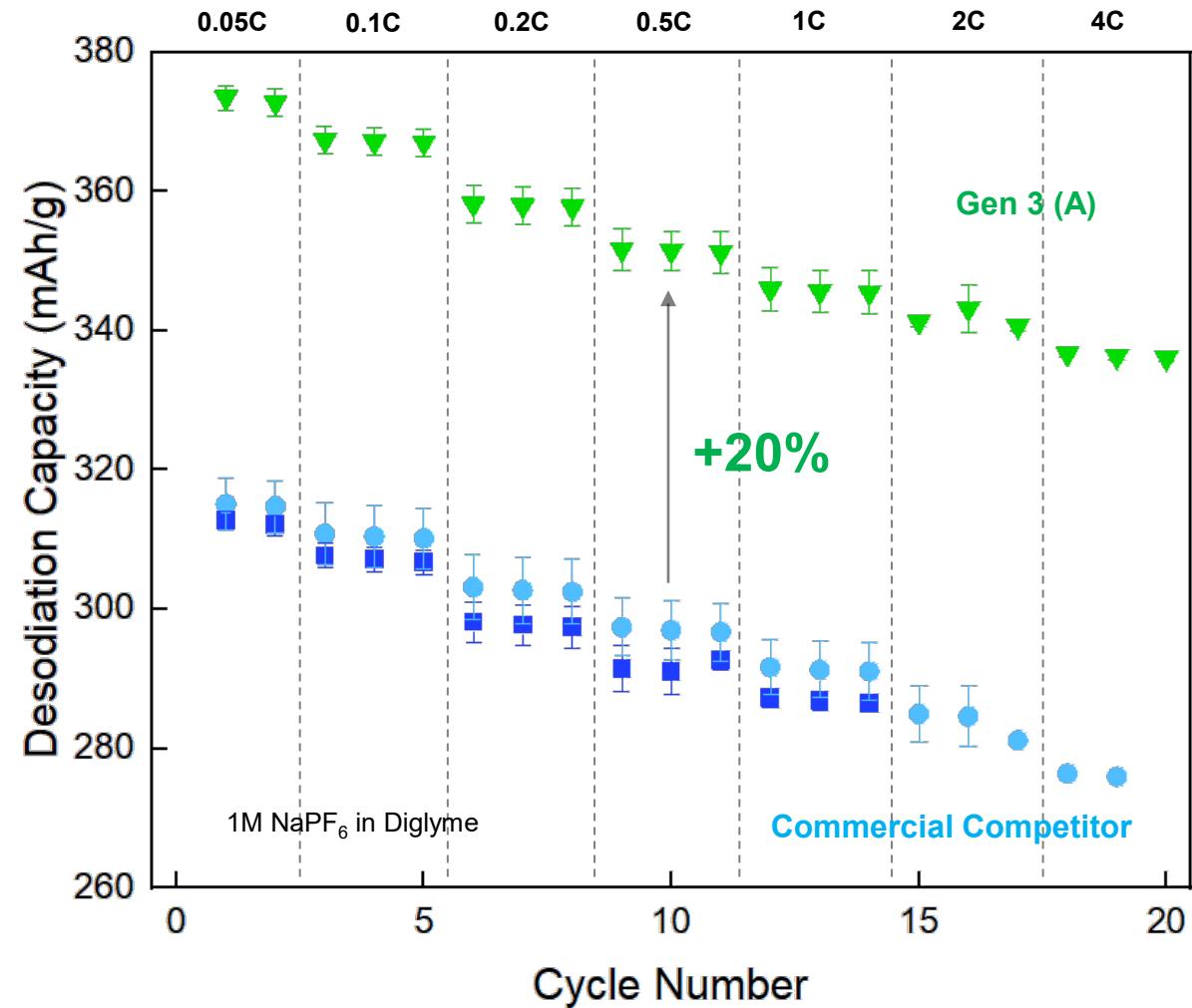
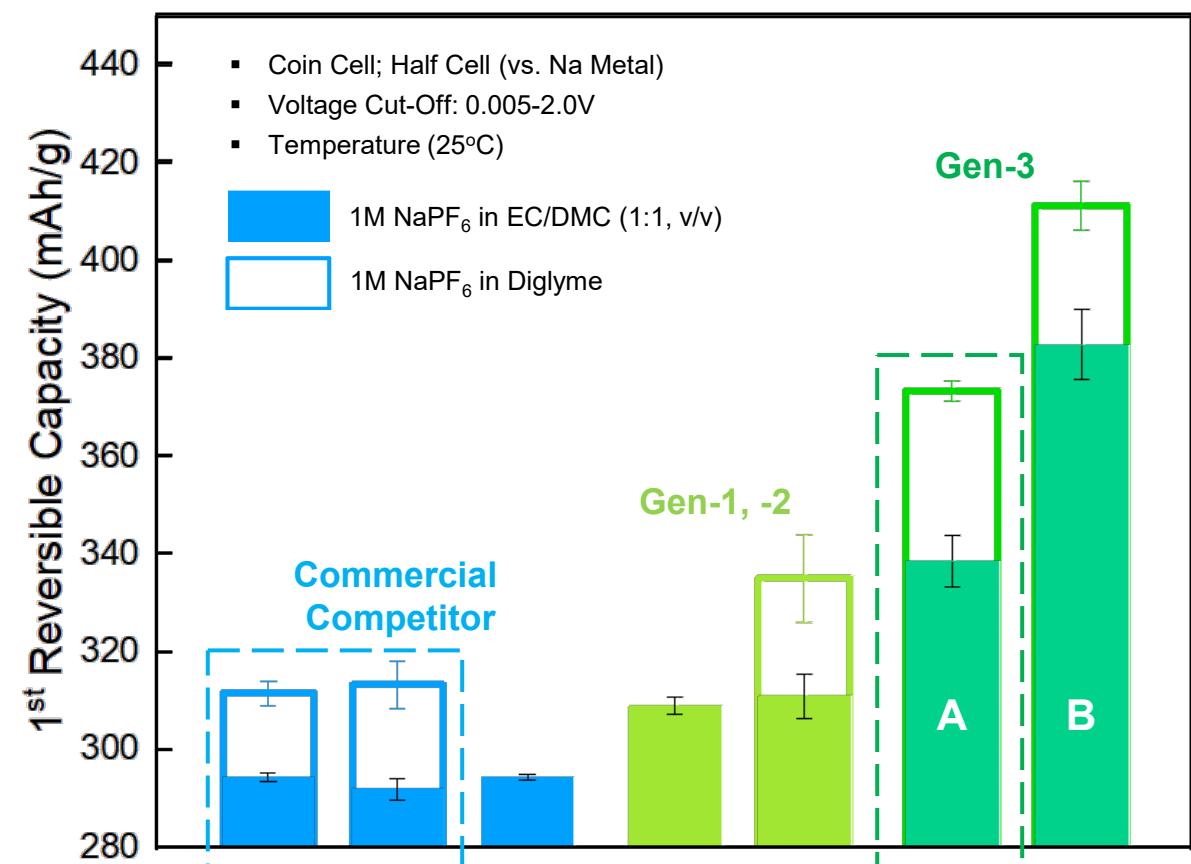


Sodium ion Anode Material

| Material | Si/C Composites | Multiwall Carbon Nanotubes | Hard Carbon Anode |
|------------------------|---|--|--|
| Activity / Partnership |  |  |  |
| Why Ingevity | <ul style="list-style-type: none"><input checked="" type="checkbox"/> Ability to leverage Ingevity manufacturing know-how<input checked="" type="checkbox"/> Utilization of core activated carbon technology | <ul style="list-style-type: none"><input checked="" type="checkbox"/> Overlapping process knowledge<input checked="" type="checkbox"/> Favorable supply-demand dynamics | <ul style="list-style-type: none"><input checked="" type="checkbox"/> Ability to leverage Ingevity manufacturing know-how<input checked="" type="checkbox"/> Room to shape and play in the evolving value chain |

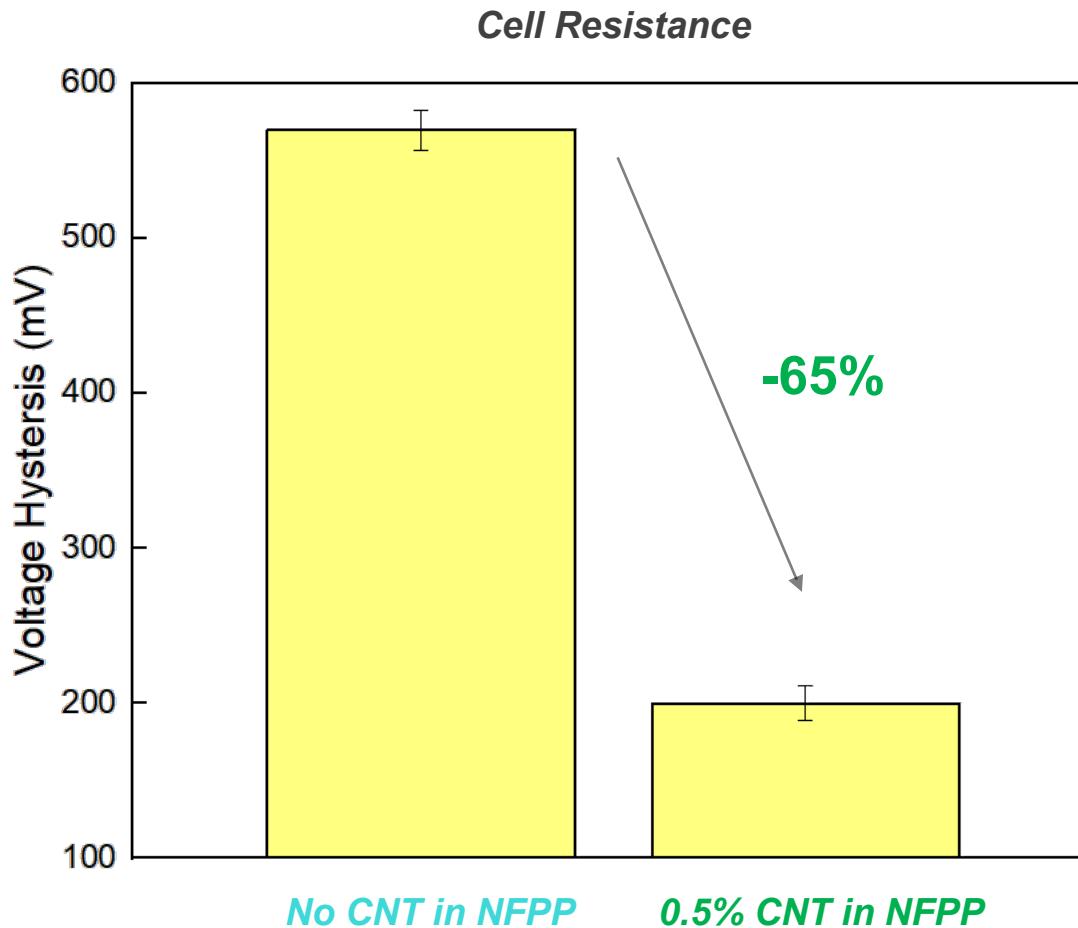
EV battery and Energy Storage markets offer multitude of opportunities and are being prioritized as next leg of growth for Performance Materials business

Ingevity Hard Carbon EChem

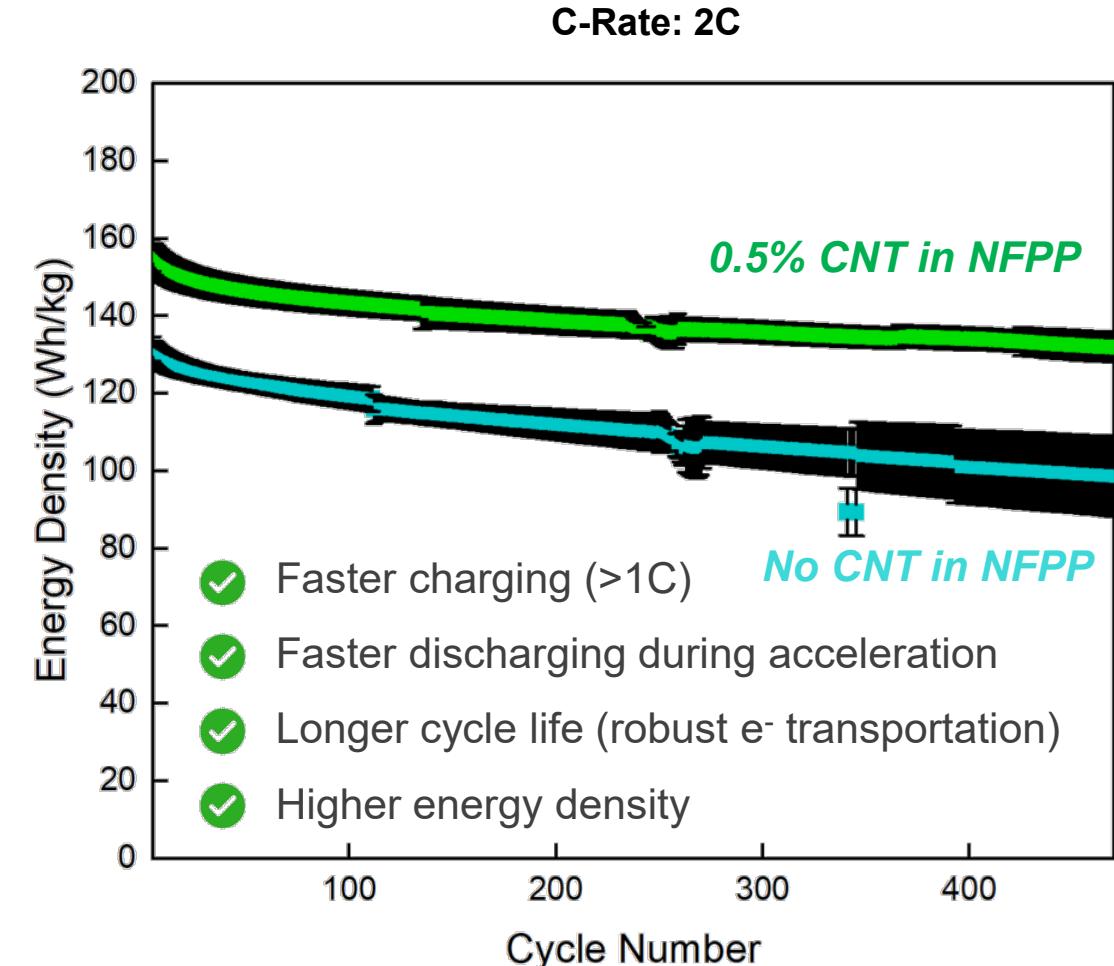


Superior Rate Capability

Ingevity Carbon Nanotubes in NFPP Cathode



*Voltage hysteresis: avg. charge vol – avg. discharge vol



*Energy Density calculated based on cathode + anode weight



Lower cell resistance



Sampling of Hard Carbon and Carbon Nanotubes



Hard Carbon samples can be provided for initial testing and product evaluation

- Gen-1 (>300 mAh/g; >89.5%)
- Gen-2 (>305 mAh/g; >93.0%)
- Gen-3 (>370 mAh/g; >89.0%)



MWCNT samples can be provided for initial testing and product evaluation

- NMP Dispersion, 3.3 wt.% (cathode electrode)
- Aqueous Dispersion, 2.0 wt.% (anode electrode)
- High-purity Carbon Nanotube Powder (NTeC®-E)

The background of the slide is a high-angle aerial photograph of a dark asphalt road that curves through a lush, green forest. The forest consists of numerous tall, coniferous trees, with some deciduous trees visible along the edges. The road is marked with white dashed lines and is surrounded by a mix of dense greenery and patches of lighter-colored ground or other vegetation.

Ingevity

*Purifying, Protecting and
Enhancing the World Around Us*

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