

# Leading the Way to Giga-Scale Graphite Anode Production in the US

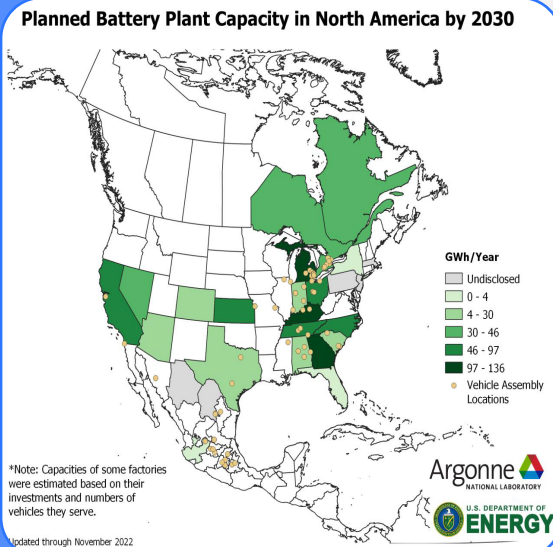
Ian McCallum  
Chief Growth Officer  
February 21, 2023

ANOVION™



# Positioned to Meet the North American Supply Challenge

Unprecedented demand-side growth – the US DOE now estimates ~1TWh of cell capacity in North America by 2030



Anovion is leading the charge to fill the supply gap as the first commercially operating synthetic graphite producer in North America



Anovion's 5000T graphitization capacity is centered on our pilot operations near Niagara Falls, NY, serving battery materials customers for 25 years.

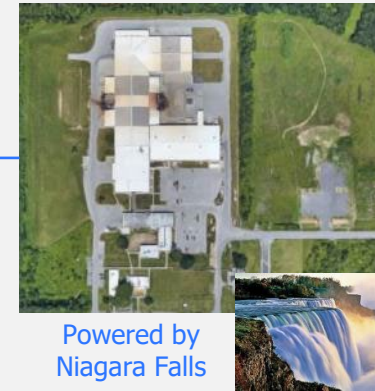


Our first 35,000 tpa mass production site is under way in northern Alabama, with support from our DOE grant award.



## Current Footprint:

**Anovion:**  
North America's  
first commercially  
operational supplier  
of synthetic  
graphite anode  
material, shipping  
in the US since  
2021



Amsted Graphite Materials  
(Graphitization)

## Long-Term Capital Support:

### Monomyth Group

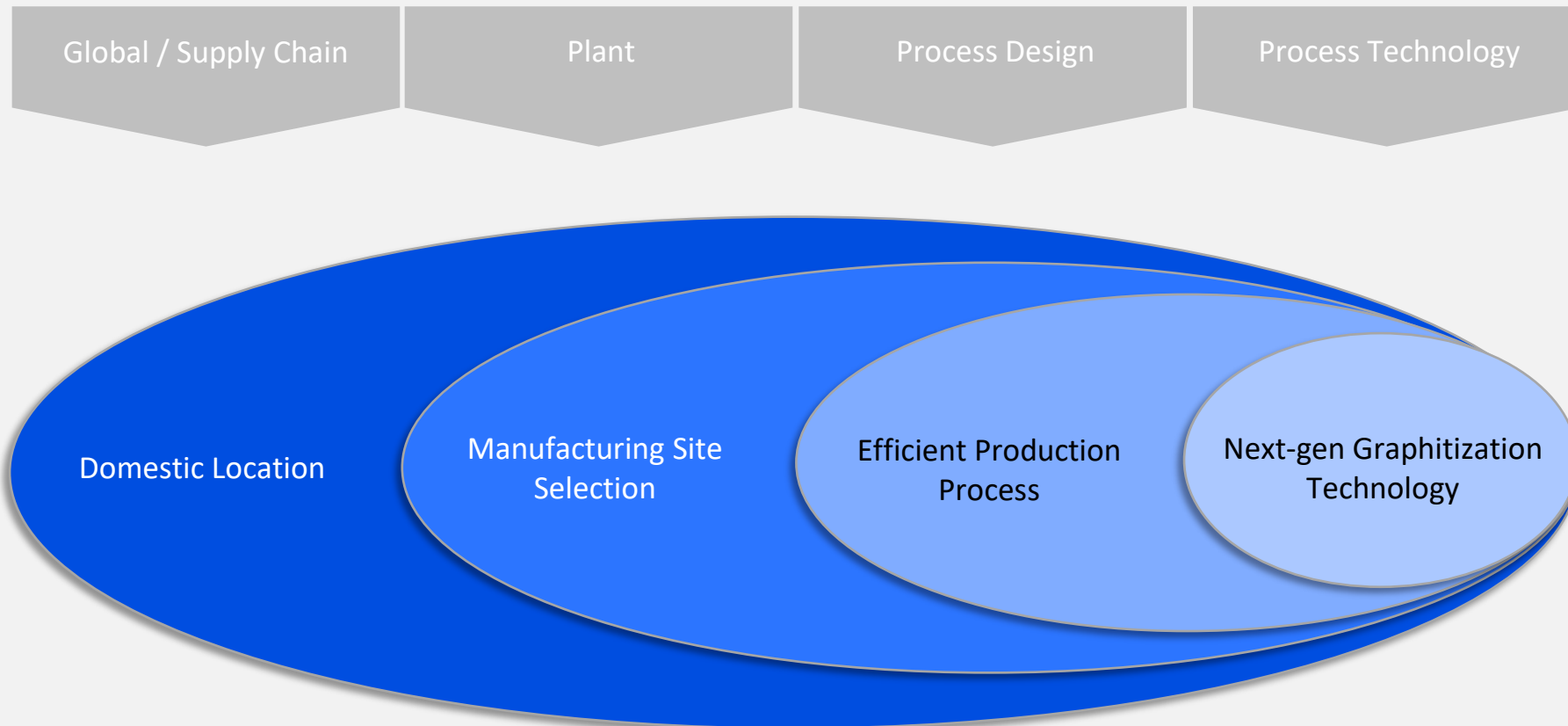
A diversified holding company that provides long-term, partner capital to help companies reach potential.

### Amsted Industries

A +\$4B Industrial conglomerate focused on rail, automotive, commercial vehicle, and construction applications. Long heritage of operational excellence and manufacturing innovation. Operating +70 facilities globally and standing up +20 large scale heavy manufacturing facilities in the past decade.

# Anovion's ESG Profile

Practical and Impactful Sustainability Framework from Strategy through Execution





# Synthetic Graphite | Critical to National Security

Anovion is meeting the US Government's call for localization

- Focus on battery & EV supply chain security and critical minerals is bipartisan
- Anovion is a founding member of the Battery Materials and Technology Coalition
- The US Critical Minerals List now includes synthetic graphite
- US continues to step up efforts and close the gap vs. China, most recently with the passing of several critical legislative acts:
  - BIL (Bipartisan Infrastructure Law)
  - Defense Production Act Title III
  - MSA (Mineral Security Alliance)
  - [IRA \(Inflation Reduction Act\)](#)
  - American Battery Materials Initiative

## August 2021

Senate passes bipartisan \$1T infrastructure bill including \$6B of targeted funds on battery materials



## January 2022

Synthetic Graphite added to the US Department of the Interior Critical Minerals List



## August 2022

IRA is signed into law paving the way for a clean-tech boom. Battery material and critical mineral localization are in focus

# Anovion is investing with the US Government to build out US battery supply chain



- Anovion was awarded a \$117,000,000 grant under the Bipartisan Infrastructure Bill (BIL)
- Aimed at accelerating America's efforts to lead the electric vehicle revolution & bolstering Electric Vehicle Manufacturing in USA.
- Ensure local supply chain for EV battery supply Chain.
- As a part of this grant, Anovion is committing to investments in NY and our first large scale plant with a SOP of 2025.



# Anovion's Sanborn, NY Operations

Anovion investments support expanded capabilities and local growth

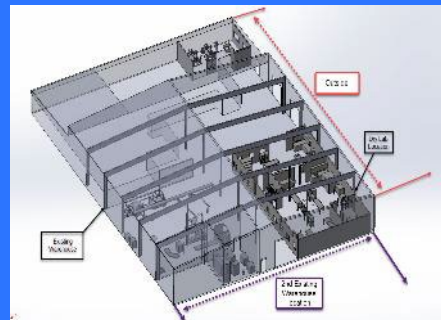


- **Pilot scale proving ground:** Facility is operational, shipping product today at pilot scale levels.
- **Growing:** Actively expanding capacities and capabilities at the pilot plant, investing in Western New York.
- **Building:** Anovion is planning to roughly double the headcount of the facility and invest over \$40M in next few years

Materials Development



Laboratory Dry Room



Integrated Operations



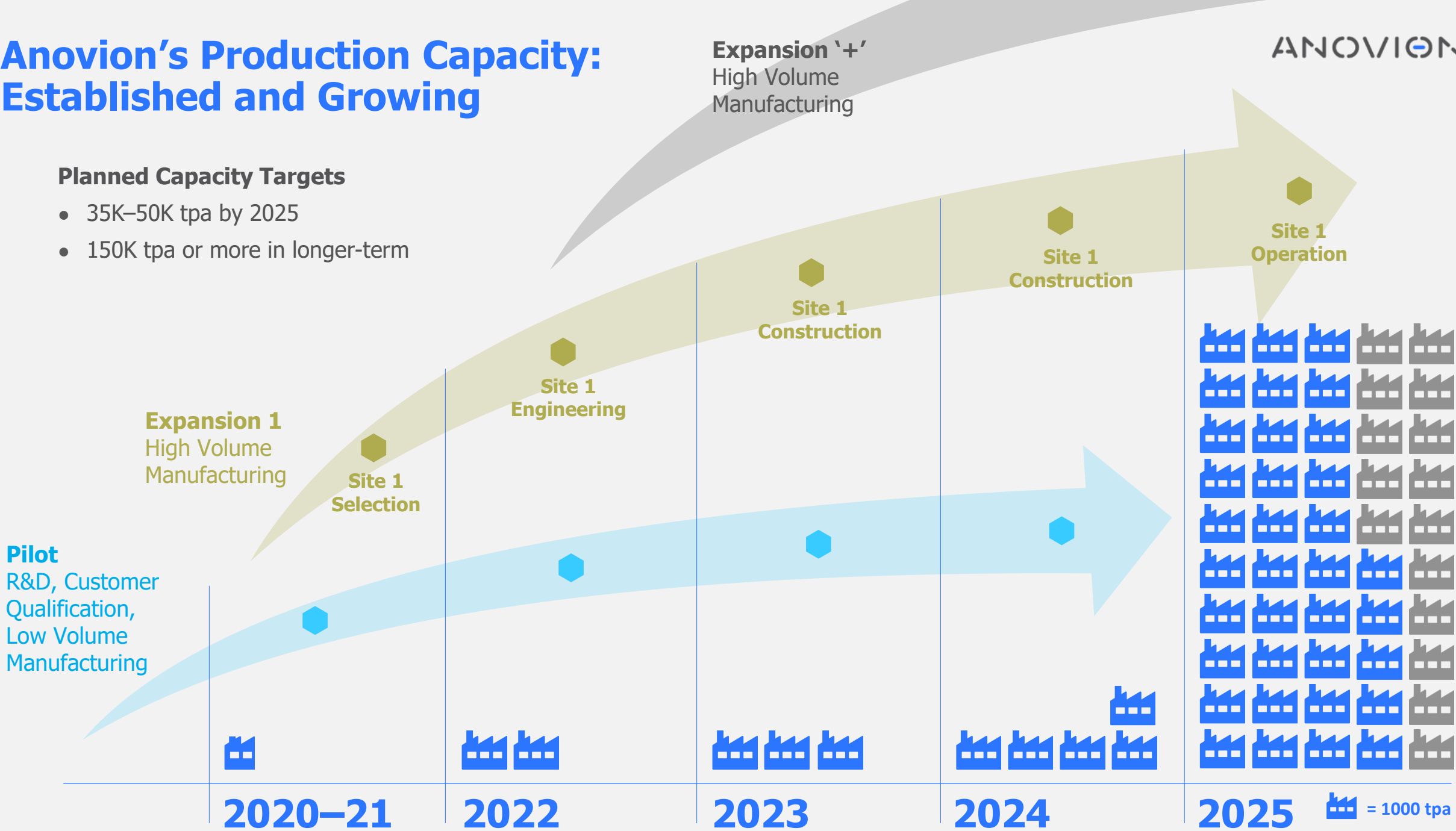
Cell Assembly & Test



# Anovion's Production Capacity: Established and Growing

## Planned Capacity Targets

- 35K–50K tpa by 2025
- 150K tpa or more in longer-term





*Our electrified future demands  
western hemisphere graphite anode  
supply*

*Our electrified future demands*

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