



## COMBUSTION ENGINE

## START-STOP

## HEV, PHEV, EV

Conventional

Engine cranking  
Basic electrical loads

High Efficiency

Larger electrical loads for accessories  
and component electrification

Start-Stop

Low power recuperation, Engine off-loads and restart

Adv. Start-Stop

Component electrification, Engine off while coasting

Mild HEV

Engine downsizing, Powertrain boosting

HEV

Short range electric drive, High power boosting

PHEV

Extended range electric drive

EV

Electricity for core vehicle functions

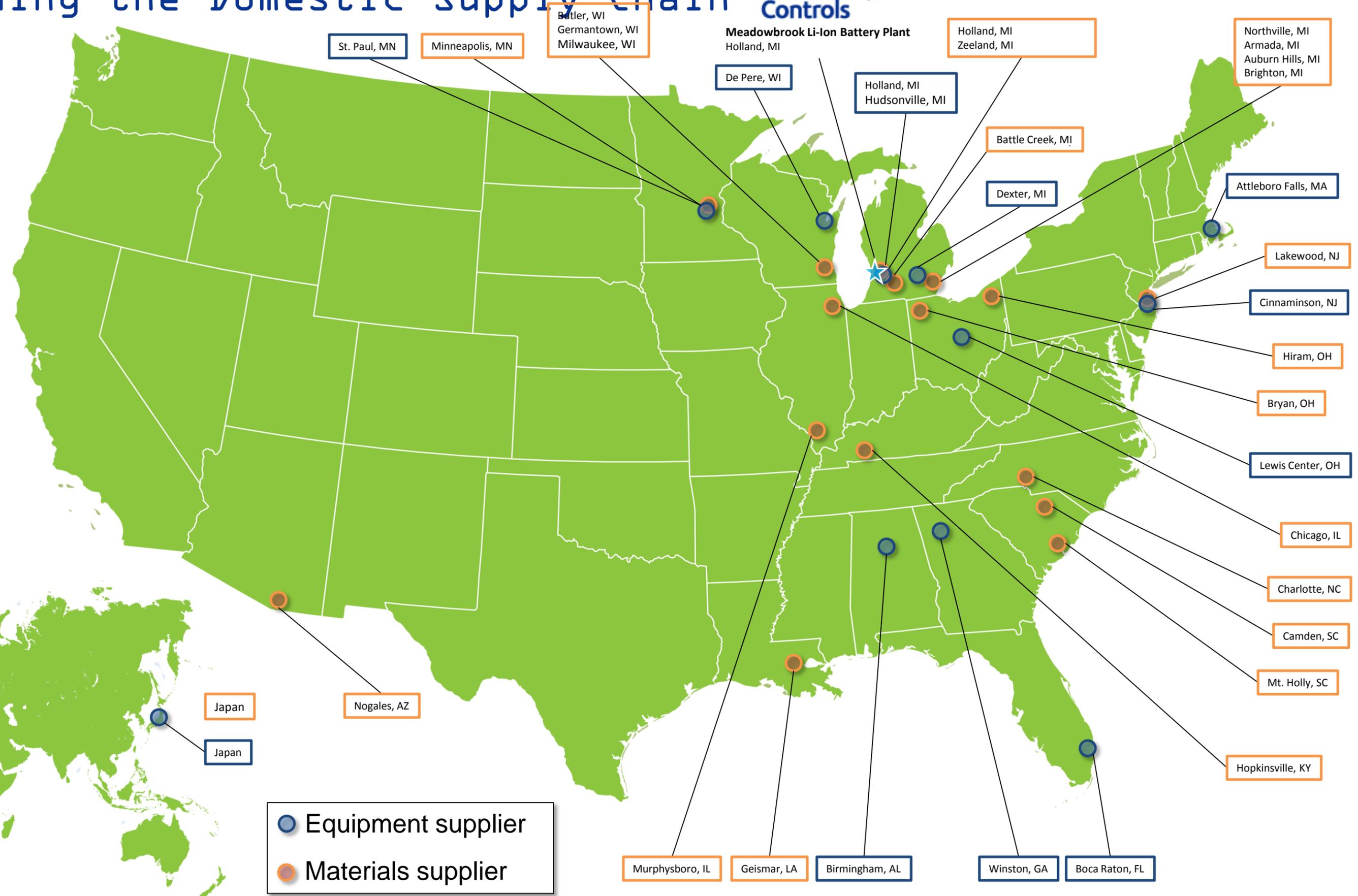
**Advanced battery applications  
across the entire spectrum of powertrains**

# Building the Domestic Supply Chain



- 102**  
Direct Jobs
- 600**  
Projected Direct Jobs
- 1,000+**  
Construction Jobs
- 90**  
Mfg. jobs retained in the supply chain
- \$100M+**  
Capital equipment invested to date in the U.S.

**European Materials:**  
France  
Belgium  
Germany



● Equipment supplier

● Materials supplier