



BATTERY MATERIALS OVERVIEW

SECOND QUARTER – FISCAL 2023



Cabot Corporation At-A-Glance

Global specialty chemicals and performance materials company



140

years of operation



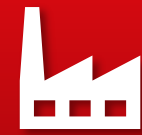
~4,300

Employees



\$4.3B

Revenue



37

Plant Locations

Industry Leader

- ◆ Strong financial performance
 - Investment grade credit rating
 - Track record of year-over-year adjusted EPS growth
- ◆ Extensive global footprint with operations in over 20 countries
- ◆ Broad portfolio of solutions

Depth of Capabilities

- ◆ Functional materials and technical expertise that enable application innovation
- ◆ Strong collaborations with industry leaders and academia

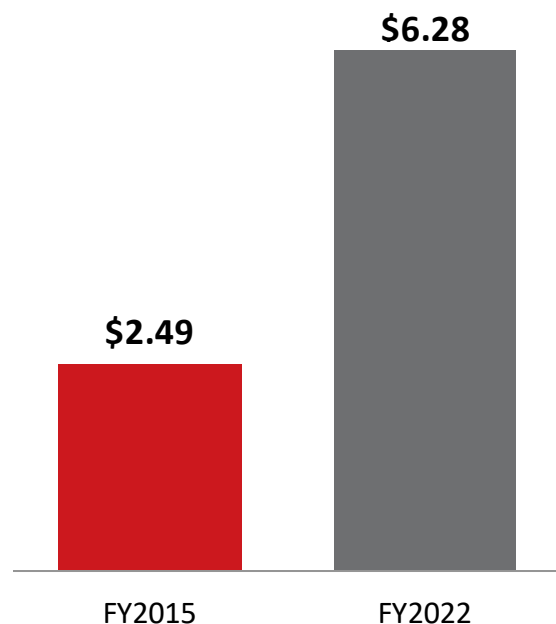
Sustainable Value Creation

- ◆ Materials that enable sustainability benefits in customer applications
- ◆ Comprehensive ESG strategy
- ◆ Positive societal impact
- ◆ Net Zero Ambition

Strong Earnings Growth with High ROIC

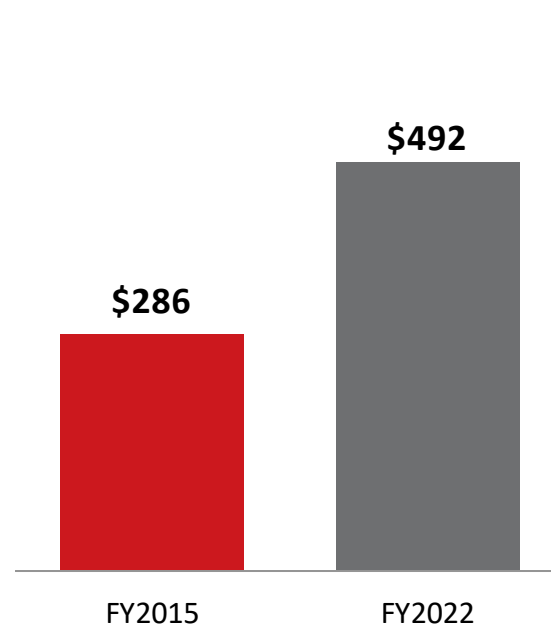
Adjusted EPS¹
(\$)

+12%
CAGR



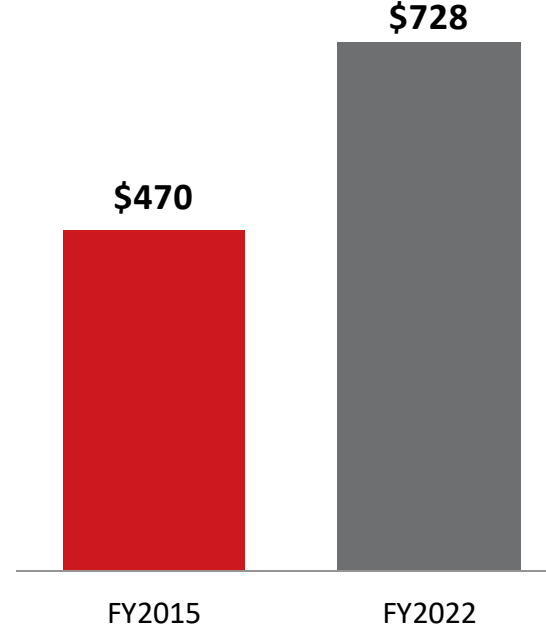
Adjusted EBIT¹
(\$M)

+10%
CAGR

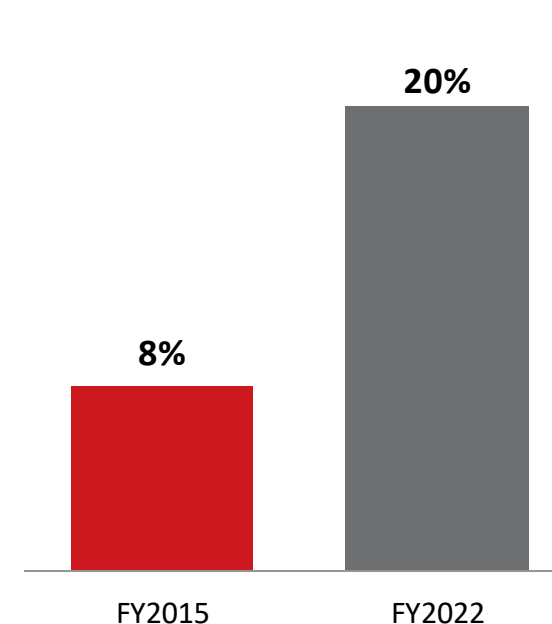


Adjusted EBITDA¹
(\$M)

+6%
CAGR



Adjusted ROIC¹
(\$M)



Driven by Successful Execution of Strategy



SPOTLIGHT ON BATTERY MATERIALS

Cabot's Battery Materials

Well-Positioned to Remain a Leader as Growth Accelerates

58%

FY22 volume growth

\$132M

FY22 Revenue; up 74%

\$29M

FY22 EBITDA; up 81%

Competitive Advantages



Broadest spectrum of Conductive Additive products & emerging portfolio of new materials



A leading commercial position with **sales to 9 of top 10 global battery manufacturers**



Global manufacturing network with planned expansions



Strong customer engagement through **local commercial and technical support**

Market Environment



Volume growth driven by **increasing EV demand**



Public policy accelerating e-mobility / renewables

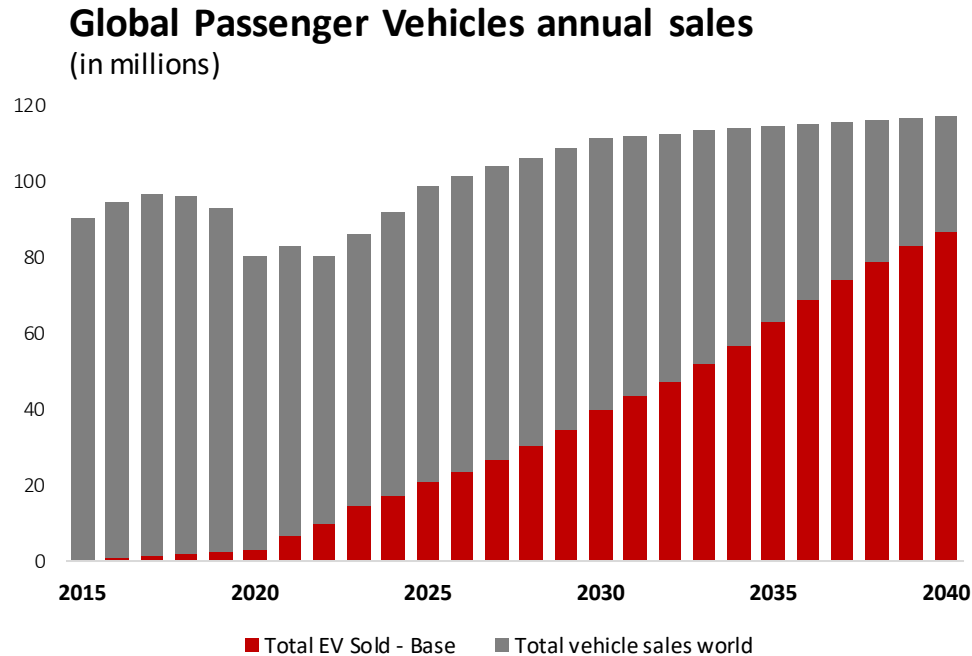


Regionalization of supply chains increasingly valued by OEMs to support EV buildout



Emerging battery chemistry technologies **all require** some form of conductive additive

Vehicle Electrification Drives Need for Li-ion Batteries



- ◆ **EVs with lithium-ion batteries expected to have >50% share of global passenger vehicles sold in 2035**
- ◆ **Many countries and companies supporting EV growth¹**
 - Biden administration’s EV goal shoots for half of new car sales in the U.S. to be electric by 2030; Inflation Reduction Act and Infrastructure bill offer incentives to produce EV’s in USA
 - In China, goal of ~40% of vehicles sold to be electric by 2030
 - GM aims to end sales of gas and diesel vehicles by 2035
 - VW expects half of its sales from BEVs by 2030; ~100% of new vehicles in major markets expected to be zero-emission by 2040

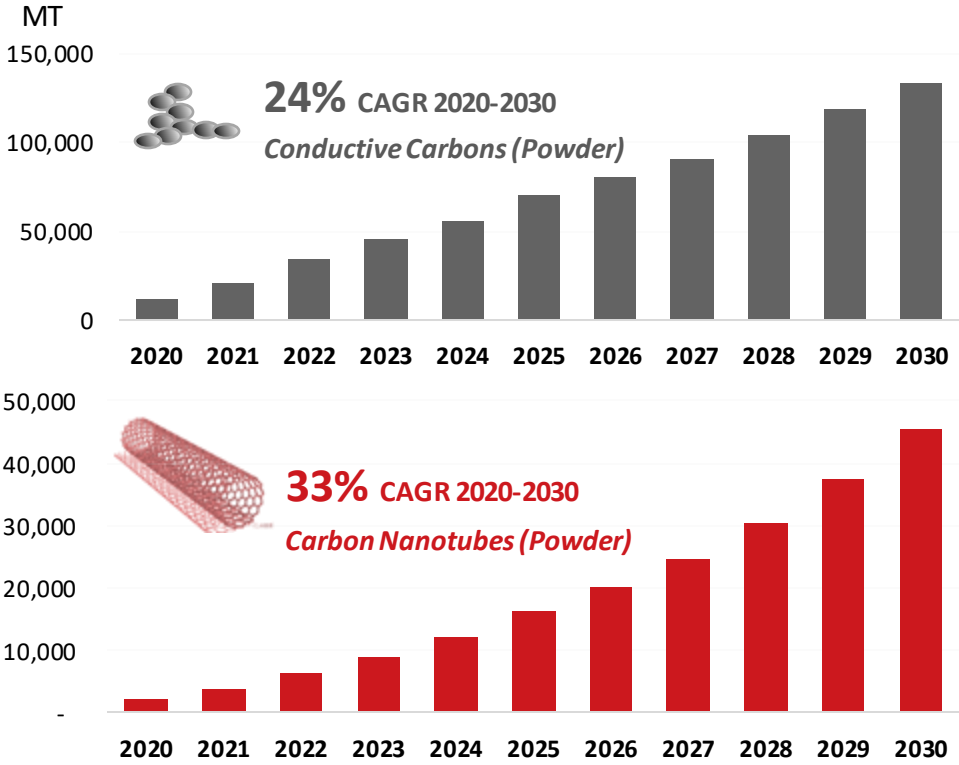
Source: Benchmark Mineral Intelligence, Q3 2022
 BEV: Battery Electric Vehicle & Plug-in Hybrid
 ICE: Internal Combustion Engines & Hybrid

1. Sources: Thomson Reuters; Volkswagen

Strong EV Market Growth Expect >30% CAGR 2021-2030

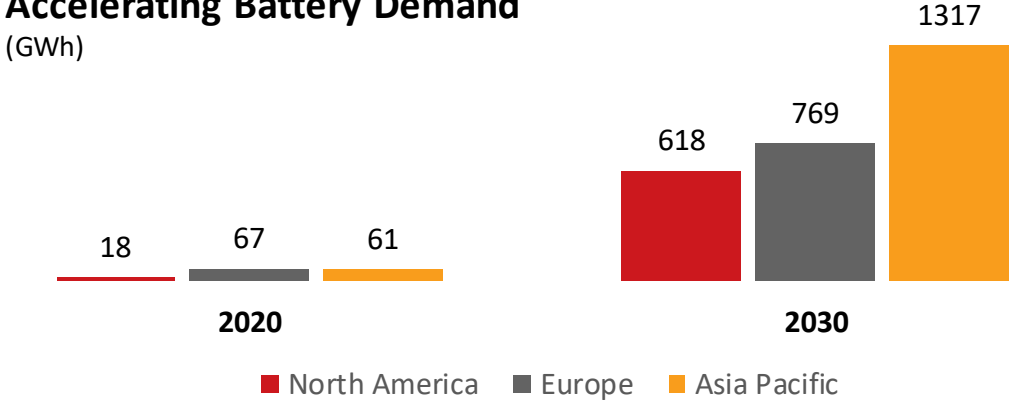
Conductive Additives Market Expected to Grow ~30% CAGR

Increasing Global Conductive Additives (CCA) Demand



Source: Cabot Internal Assessment

Accelerating Battery Demand (GWh)



- ◆ Lithium-ion battery growth expected to translate into significant conductive additive demand
- ◆ Battery demand expected to grow across all regions, as battery manufacturers install global capacity

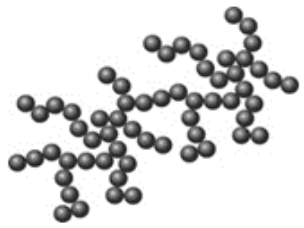
Source: Bloomberg NEF, October 2022

Broad Product Portfolio for Batteries

Cabot has a deep understanding of battery application

Cathode & Anode Electrodes

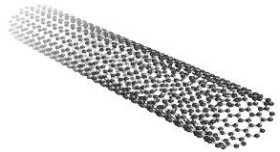
Conductive Additive Powders and Dispersions



◆ LITX[®] PBX[®] FCX[®]

Conductive Carbons

- Conductivity
- Wet and dry process in all battery types



◆ ENERMAX[™] Carbon Nanotubes (CNTs)

- Conductivity
- Powder and dispersions



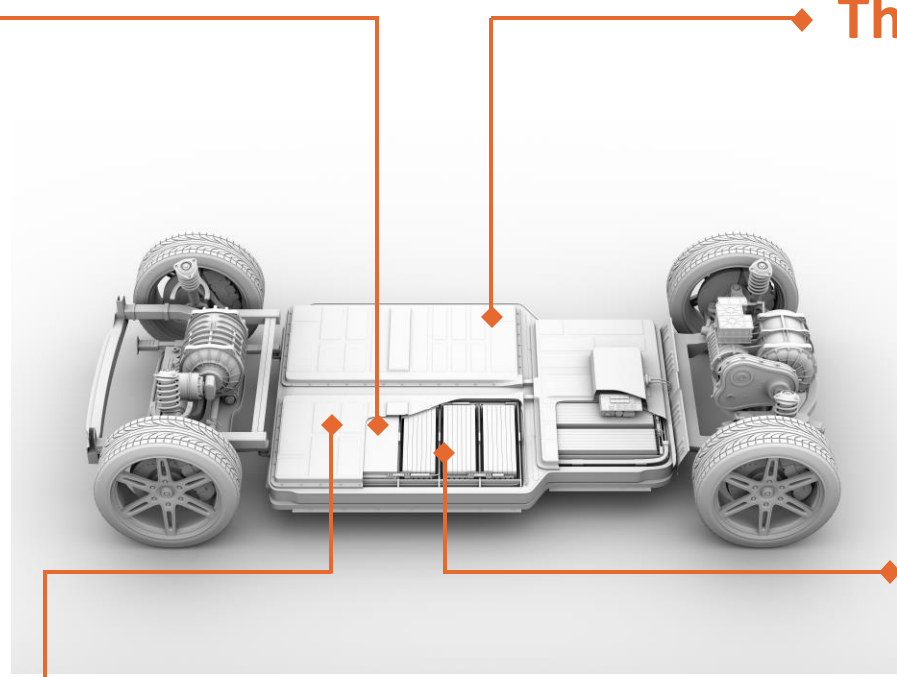
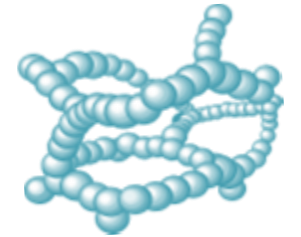
◆ ENERMAX[™] Carbon Nanostructures (CNS)

- Cycling performance and conductivity for silicon-containing anode

Thermal Management

◆ ENTERA[™] Aerogel

- Thermal barrier for cells and modules

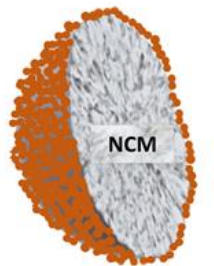


Cathode Coating

◆ Spectral[®]

Fumed Alumina

- Cathode surface coating
- Separator coating



Adhesive & Sealant

◆ CAB-O-SIL[®] ULTRABOND[™]

Fumed Silica

- Rheology control
- Mechanical reinforcement

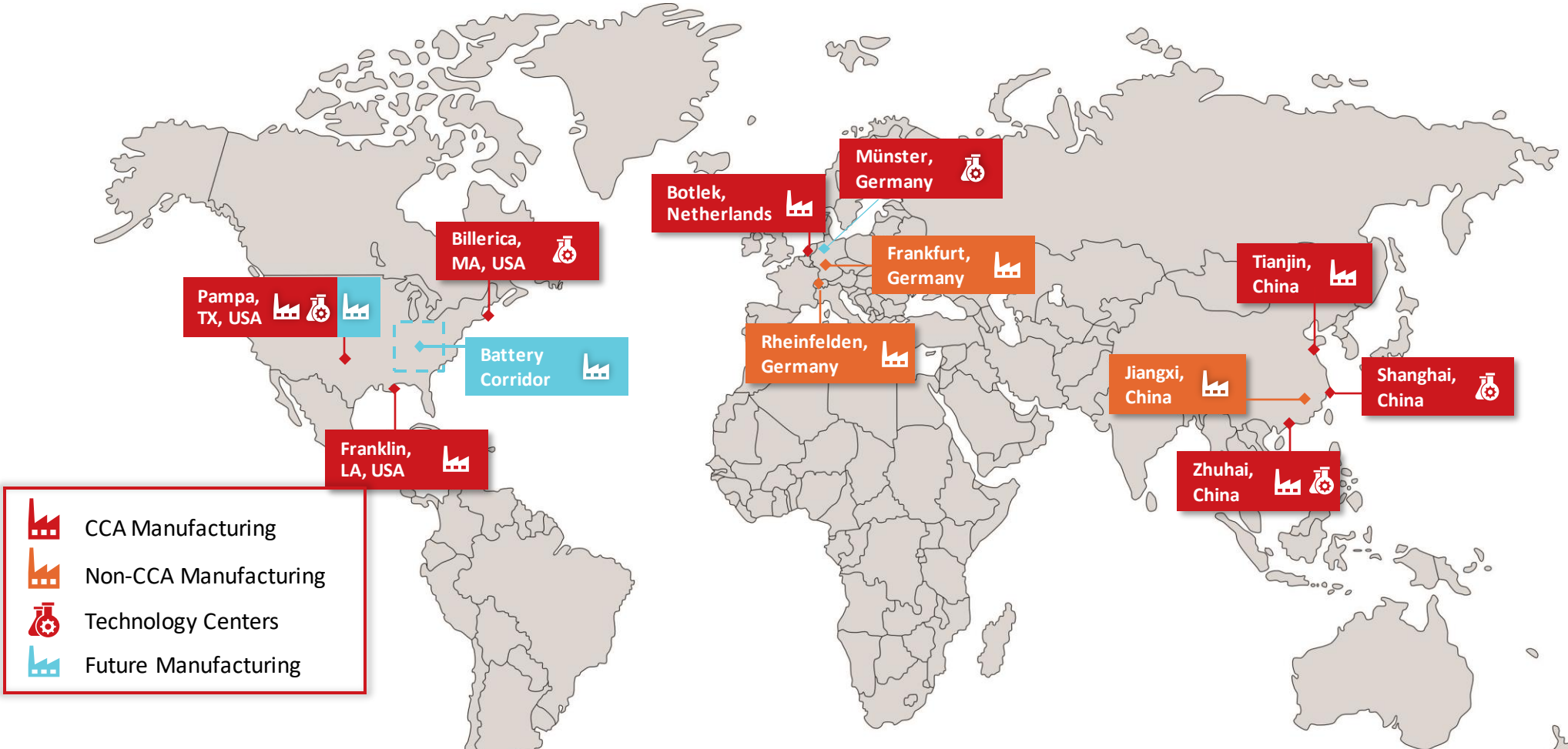
Electrolyte

◆ ENERSIL[®] Fumed Silica

- Rheology control in advanced lead acid batteries

Conductive Additives Leader with Global Network

Capacity and Innovation Centers in Every Region



Local Supply and Technical Services Support Battery Growth Globally

We Have “Right to Win” in Battery Materials



Product Portfolio

- ◆ Broad portfolio of conductive additives including conductive carbons, CNTs, carbon nanostructures, and blends that provide enhanced performance
- ◆ Emerging portfolio of materials to expand our battery participation



Global Manufacturing Footprint

- ◆ Supports local supply chains
- ◆ Customers more focused on regional supply security
- ◆ U.S. and EU governments emphasizing local supply chains
- ◆ Strong customer engagement through local commercial and technical support



Strong R&D Commitment

- ◆ New material development for next-gen battery developments
 - ◆ High Nickel Cathode
 - ◆ Dry Process
 - ◆ Aqueous Process
 - ◆ Silicon Carbon Anode
 - ◆ Thermal Barriers



Performance Track Record/Market Outlook

- ◆ Strong demand for conductive additives driven by lithium-ion batteries for EVs
- ◆ ~30% 10-year anticipated market demand CAGR
- ◆ 50%+ forecasted EBIT CAGR from 2021-2024