

ARKEMA



A High Performance  
Materials Company

# Arkema in the Americas

**49**

industrial sites



**37%**

of 2023 global sales



**>4,600**

passionate employees



# Sustainable innovation is in our DNA

**1,800** researchers globally

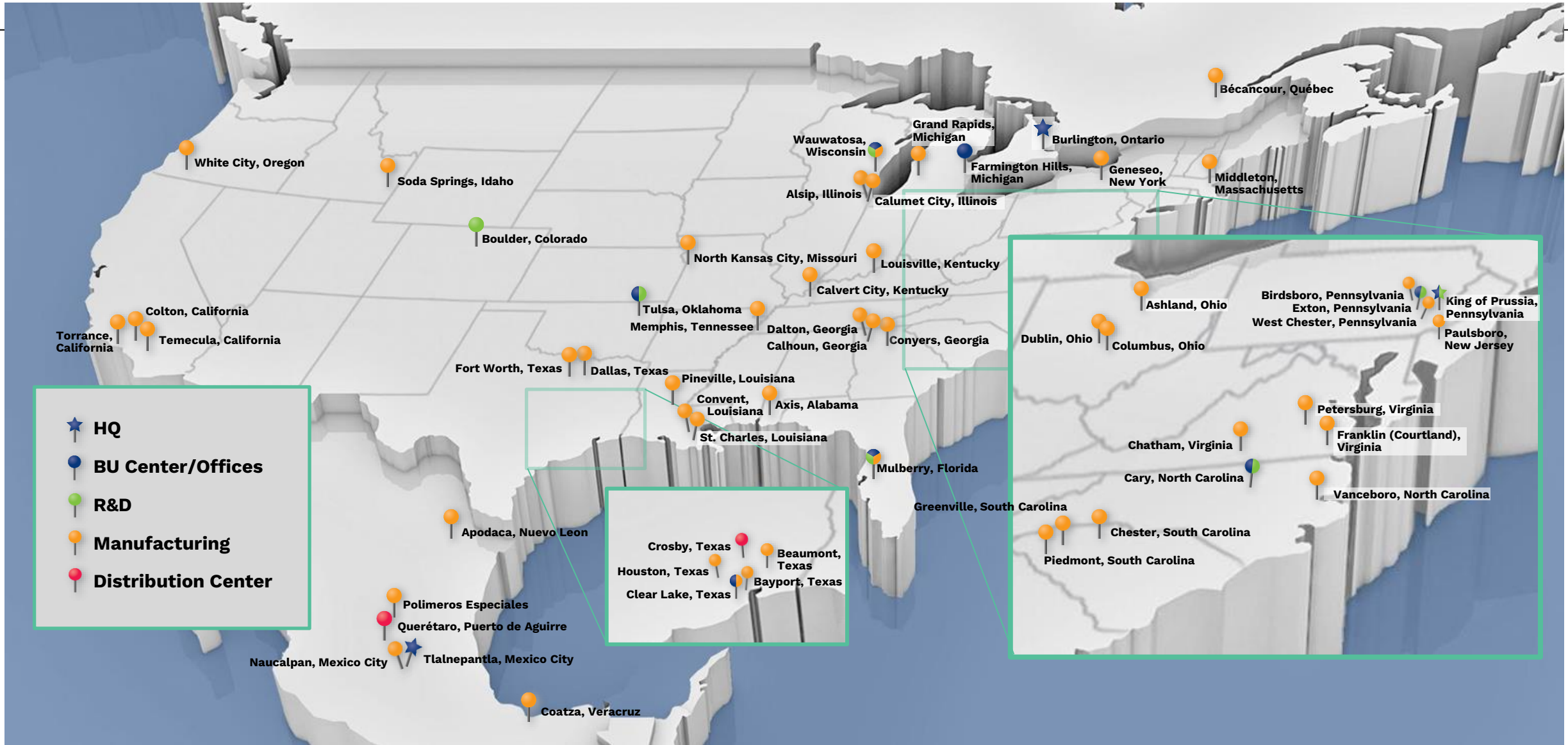
**10** R&D and innovation hubs in the U.S.

**60** R&D partnerships (with large and small industrial technology developers, universities, and national laboratories)

**35** patents granted in 2023 in the U.S.



# North America Sites



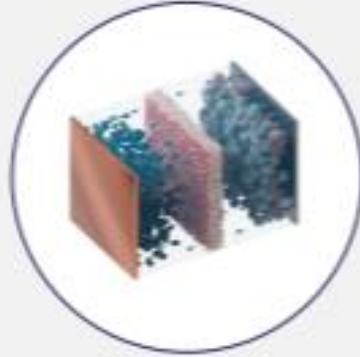


## Advanced materials for batteries

“

We are committed to deliver  
High performance solutions  
To increase battery efficiency,  
Safety and reliability

”



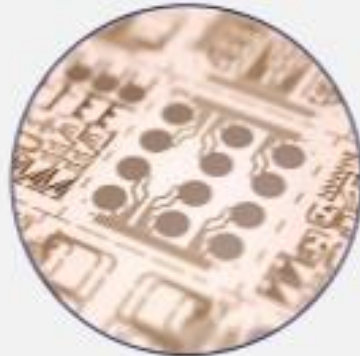
Cell  
performance



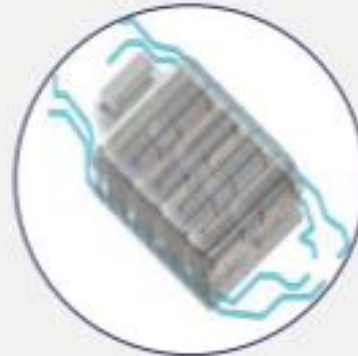
Cell to module  
assembly



Pack sealing and  
enclosure



Battery management  
system



Thermal  
management



Battery  
recycling

# Arkema Materials in the world of Battery

## Inside the Cell

## Outside the Cell



ALBONE®  
Purification of Ni

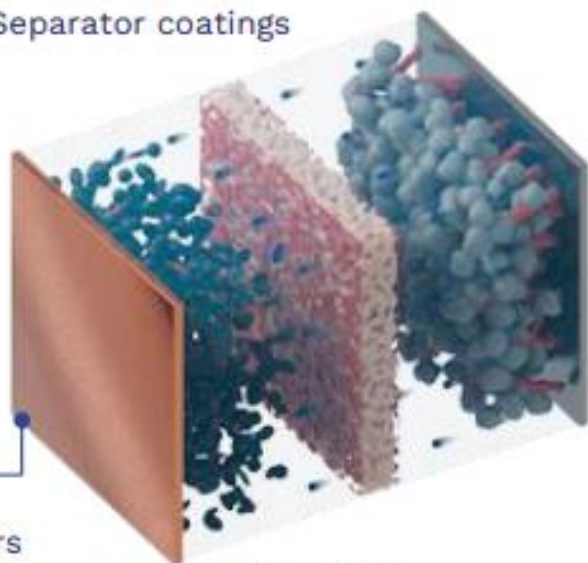
ARRMAZ  
Li Collectors

KYNAR®  
Tank and pipe liners for  
corrosive services

KYNAR®  
PVDF Binder &  
Separator coatings

INCELLION™  
New Anode Binders  
Rheology Additives

FORANEXT®  
Ultra Pure LiFSi Salt



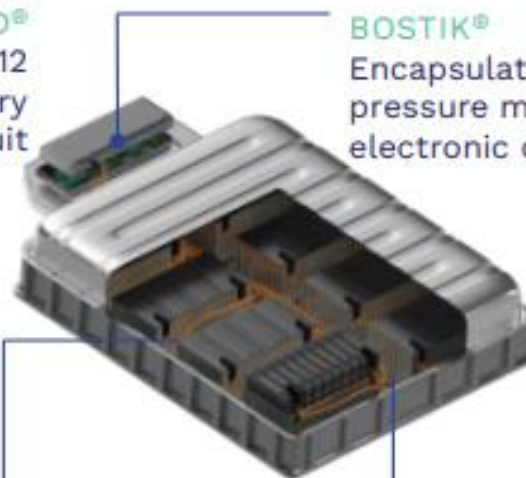
RILSAN® &  
RILSAMID®  
PA11 & PA12  
for battery  
cooling circuit

BOSTIK®  
Encapsulation & low  
pressure molding for  
electronic components

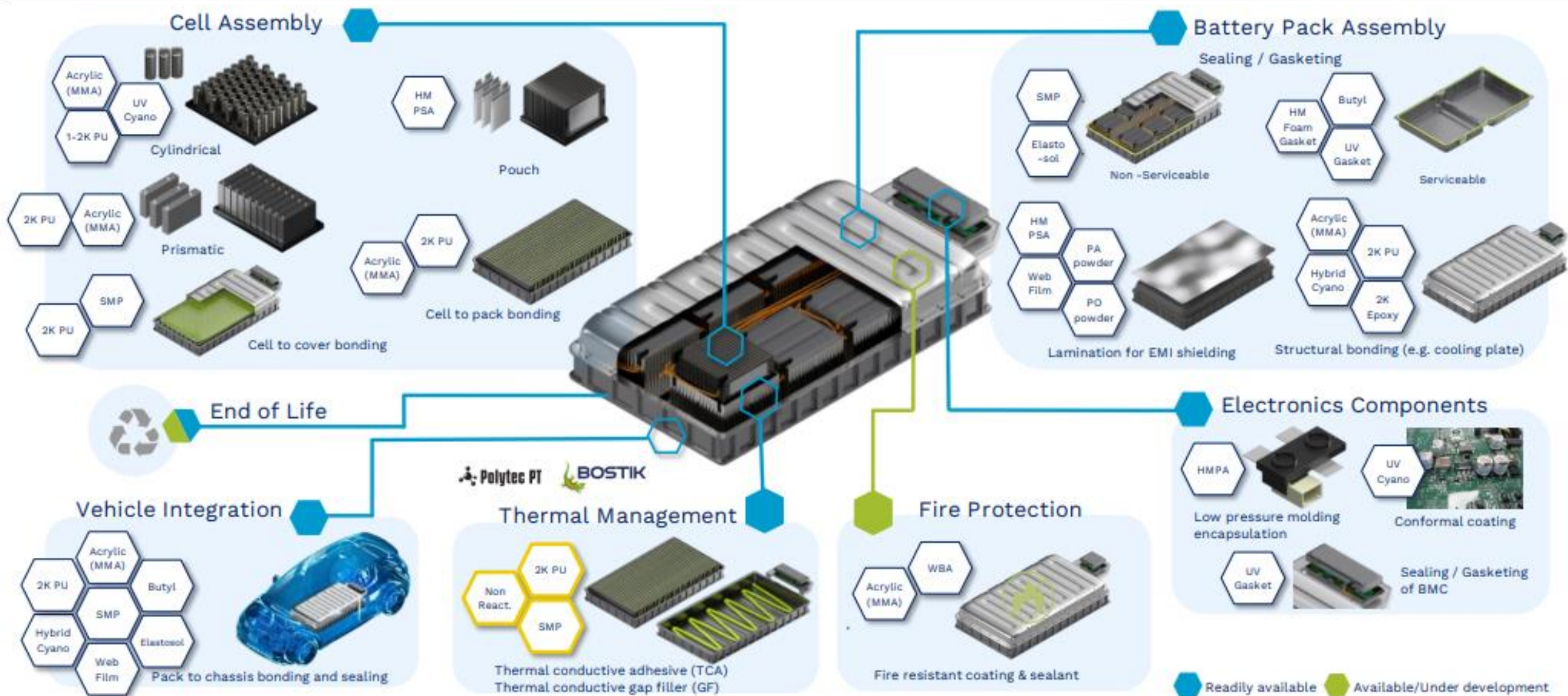
ALBONE®  
Purification of Ni

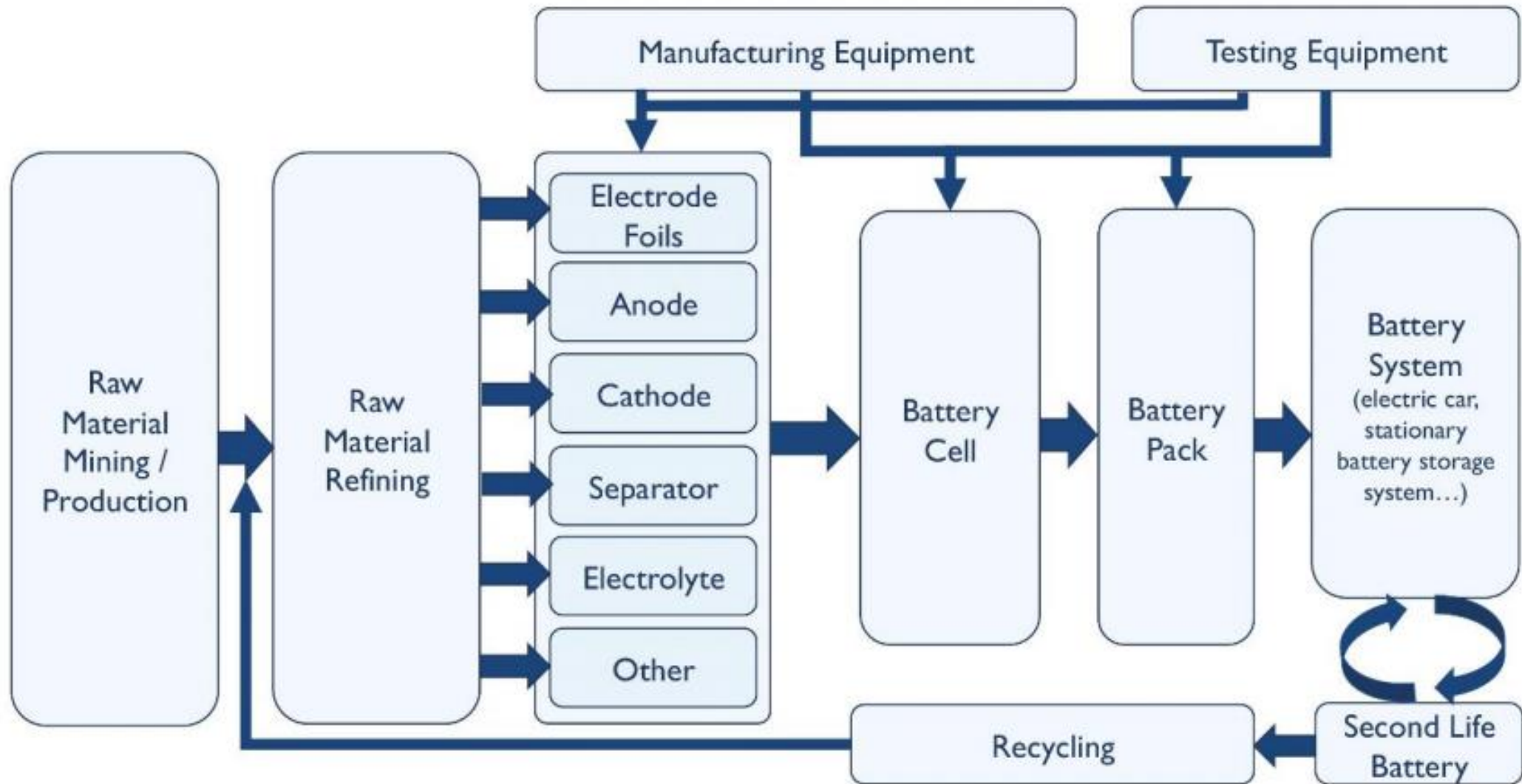
RILSAN® Fine  
Powders & RILSAN®  
PA11 for Busbar  
coating

RILSAN®  
ORGALLOY®  
KEPSTAN® PEKK  
in high performance  
connectors



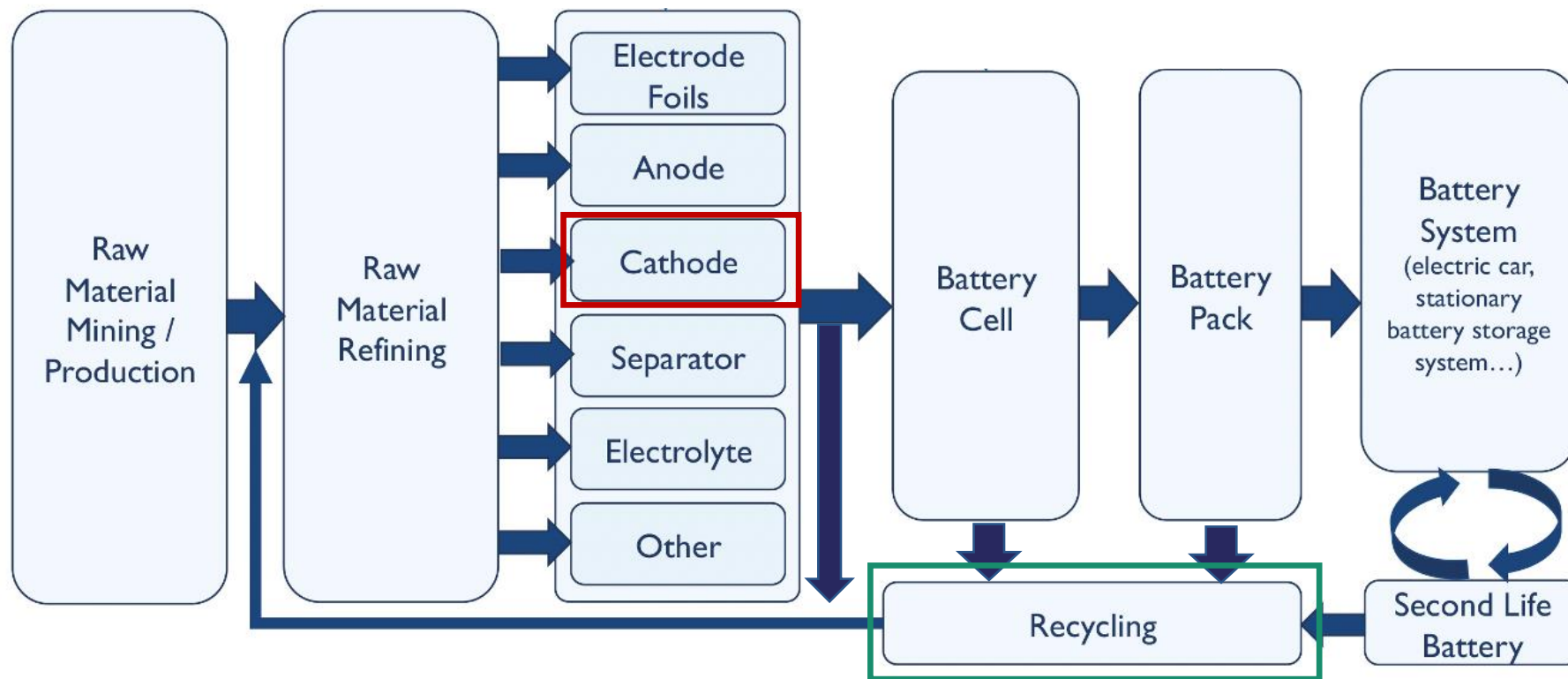
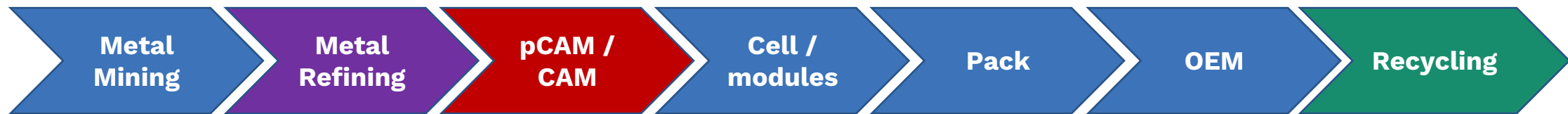
# Bostik provides full solutions for Battery System







# Hydrogen Peroxide



H2O2 is mainly used in upstream virgin metal **refining** & downstream blackmass **refining**

**Metal dissolution**  
(acid sulfuric leaching)

Interface

$M \rightarrow M^{n+}_{(aq)}$



**Metal Refining  
(Ni, Co)**



**Lithium refining (Mining)**



**LiB Refining**



**LFP (CAM) synthesis**

**ARKEMA**

NMC  
LFP

Others



**LiB recycling  
Wastewater treatment**

