

# **Adhesives and Sealants for Battery Systems of Electric Vehicles**

***Bostik smart solutions for e-Mobility***

[www.bostik.com](http://www.bostik.com)



Adhesive solutions by **ARKEMA**

# Who is Bostik

## KEY FACTS



€2.8 billion  
Annual Sales 2022



6,000+  
Employees



4 Global  
Smart Technology  
Centers

## OUR MARKETS

DURABLE GOODS | ADVANCED PACKAGING  
CONSUMER | CONSTRUCTION

Our adhesives are almost everywhere.



## ADHESIVE SOLUTIONS OF ARKEMA

ARKEMA

“A LEADER  
IN SPECIALTY  
MATERIALS”

€12.5 billion  
Annual Sales 2022



WORLD-CLASS  
LEADER IN  
ADHESIVE &  
SEALANT  
TECHNOLOGIES



## BUSINESS EXPANSION

Significant business expansion through recent acquisitions.

2017

Nitta Gelatin

2018

AFINITICA

2019

PROCHIMIR  
TECHNICAL FILMS

2020

fixatti

2022

Ashland  
always solving

Performance Adhesives



# Battery solutions by Arkema and Bostik: Customer Value Proposition



## EVERYWHERE IN THE BATTERY

Unique value offer of high performance materials inside and outside of the battery cell. **We are present all along the value chain.**



## APPLICATION & PROCESS EXPERTISE

Global network of expert teams with application and process know-how. **We bring dedicated technical support and customized solutions to our customers.**



## MARKET- LEADING PORTFOLIOS

Wide range of sealants and adhesives technologies to address major challenges in the battery system. **We are proposing high performances solutions for battery cell, module, pack and vehicle integration.**



## GLOBAL MANUFACTURING CAPACITY

Global manufacturing capabilities. **We serve the region from the region.**



## RECOGNIZED INNOVATIVE R&D

Renown development partner with global R&D teams. **We innovate with our customers by leveraging the group's strong research and science portfolio on specialty materials.**



## SUSTAINABILITY

With more than 70 years of legacy in sustainable materials, sustainability is the base line of our group's strategy. **We continuously invest in R&D on sustainable initiatives with our customers.**



## ONE LEGACY

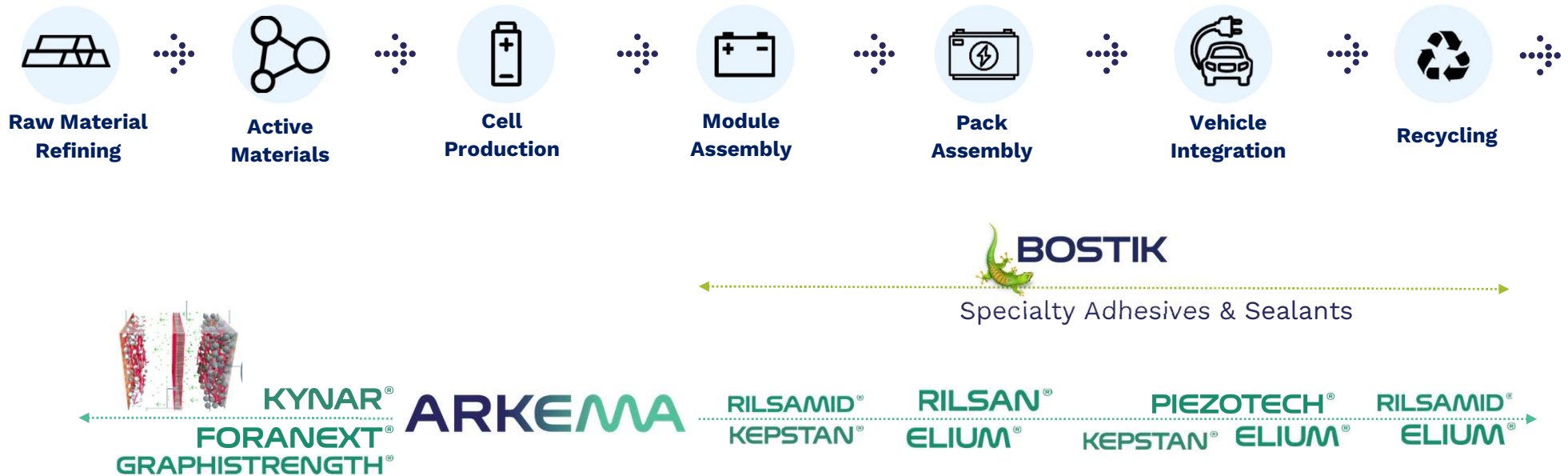
Long-term partnership with cell and car manufacturers. **We bring more than 25 years of legacy in the Battery and over 40 years in Automotive market.**



## DEDICATED TO BATTERIES

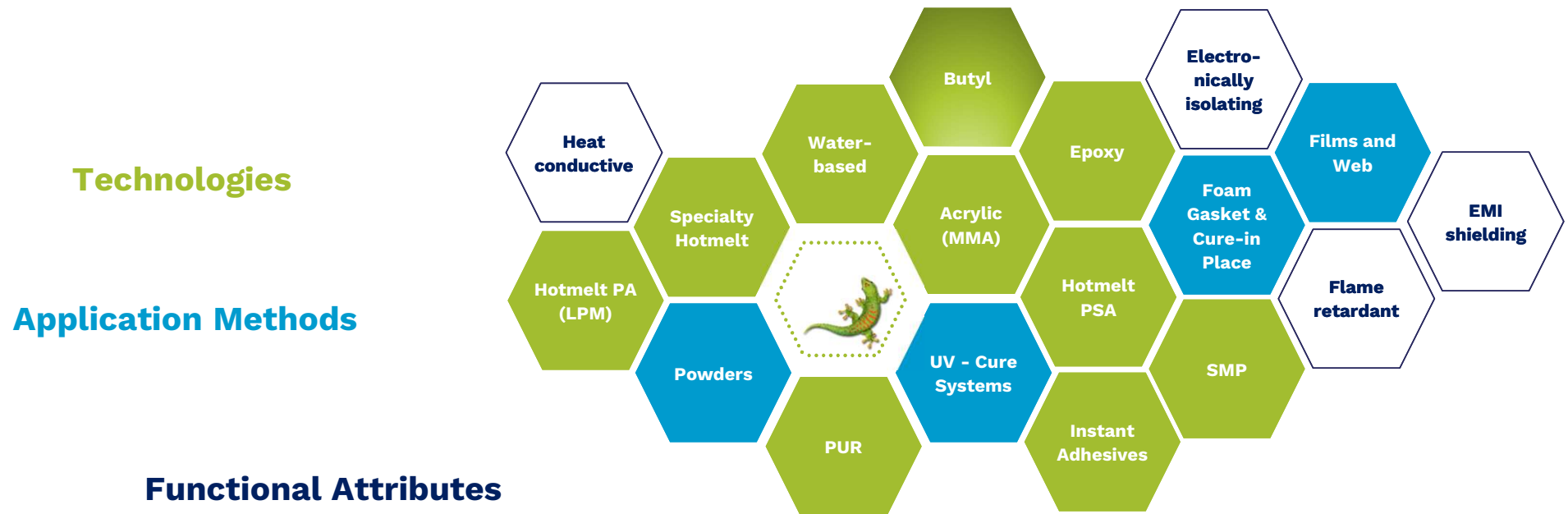
Continuous expansion of the technology portfolio throughout acquisitions. **We develop new partnership in E-mobility.**

## Arkema and Bostik presence all along the Battery value chain



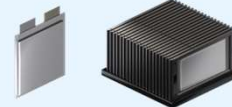
**Market leading technology portfolio for battery systems**  
**Unique value offer *inside AND outside* of the cell**

# Bostik Adhesives & Sealants Offer for Battery Systems

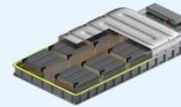


# Key components for the assembly of Battery Systems

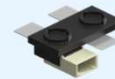
THERMAL MANAGEMENT  
EASE OF ASSEMBLY CRASH RESISTANCE  
REPARABILITY LONGER SERVICE LIFE  
SERVICEABILITY **EFFICIENCY**  
**SAFETY** PERFORMANCE FAST PRODUCTION  
COST **BATTERY** RECYCLING  
FAST DISPENSING AND JOINING ENDURANCE  
SERVICE LIFE **RELIABILITY**  
LIGHT-WEIGHT  
FAST CHARGING GREATER RANGE  
**SUSTAINABILITY** FIRE PROTECTION  
AUTOMATED MANUFACTURING



**Cell Assembly**



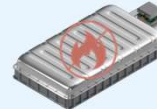
**Pack Assembly**



**Electronic Components**



**Thermal Management**



**Fire protection**



**Vehicle Integration**



**End of life**

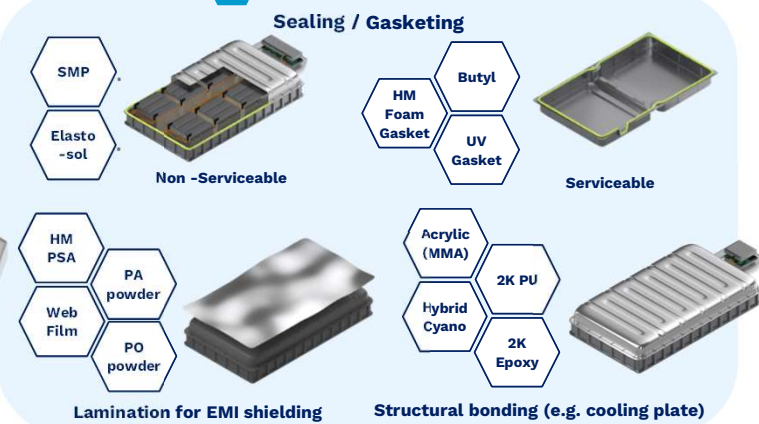


# Bostik Adhesive and Sealant Solutions for Battery Systems

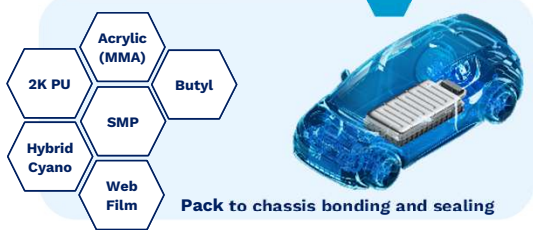
## Cell Assembly



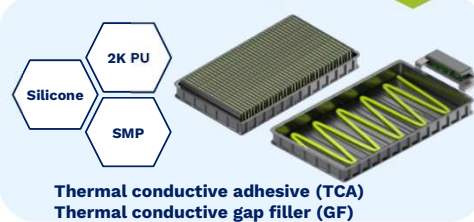
## Battery Pack Assembly



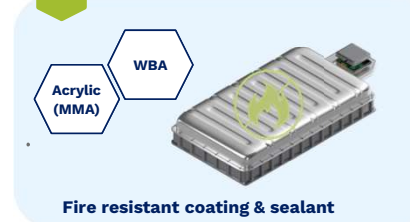
## Vehicle Integration



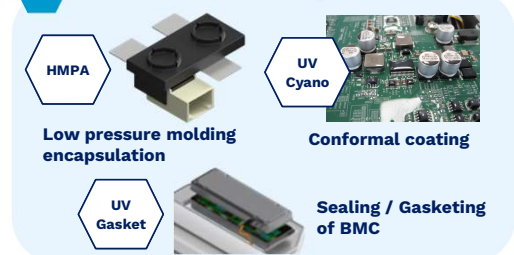
## Thermal Management



## Fire Protection



## Electronics Components



Readily available
 Available/Under development