

# MobilityScience<sup>™</sup>

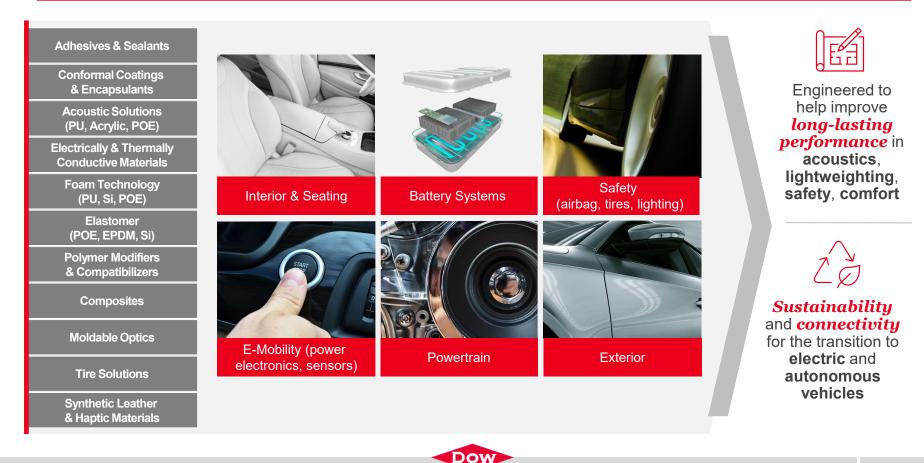
## CHI-HAO CHANG AND RYAN SMITH

NAATBatt 2025 EXTENDING RANGE

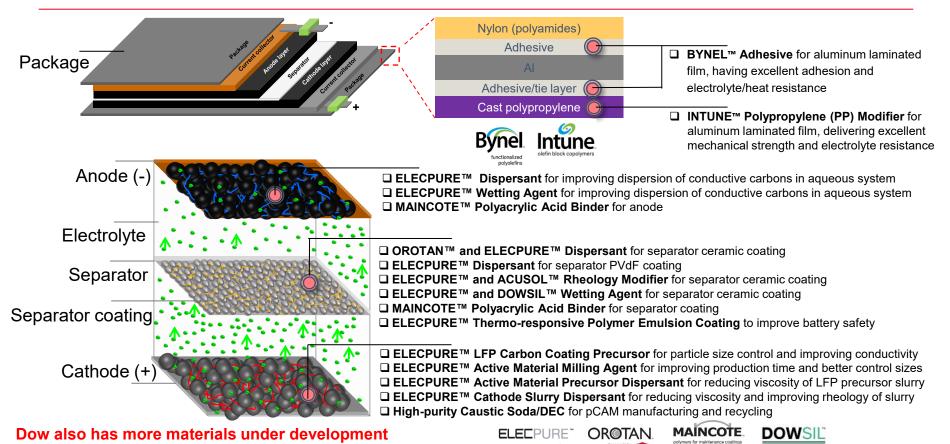
February 17-20, 2025 Orlando, Florida

## PORTFOLIO OF ENGINEERED MATERIALS DESIGNED FOR MOBILITY

#### MobilityScience<sup>™</sup>



## **DOW BATTERY MATERIAL SOLUTIONS**

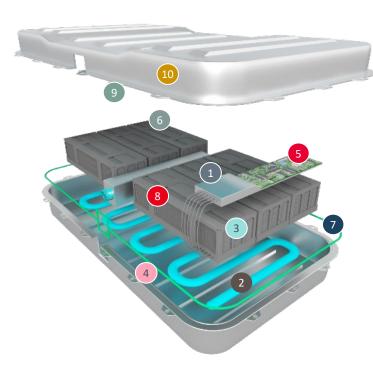


NAATBatt 2025 EXTENDING RANGE

for collaboration

#### MobilityScience<sup>™</sup>

### **DOW BATTERY MODULE/PACK ASSEMBLY SOLUTION**



## **Dow e-mobility portfolio**

**Encapsulants** 

absorption

Gap fillers

elongation

Adhesives

vibration inhibition

**Coolant fluid** 

dissipation

Lightweighting, cable protection,

dielectric encapsulation, vibration

Thermal conductivity, low density,

thermal resistance, enhanced

Thermal conductivity, heat cure

acceleration, high elongation,

Improved battery pack heat



## Potting foam; encapsulation and structural

Cell fire protection, vibration absorption, thermal insulation, structure



#### Foam gaskets, sealants

Efficient sealing and EMI shielding



#### Cell cushion/thermal barrier

Offers proper compression set between cells; helps prevent thermal propagation



#### Fire protection coating

processing

Coating to protect aluminum and steel from hot particle flame



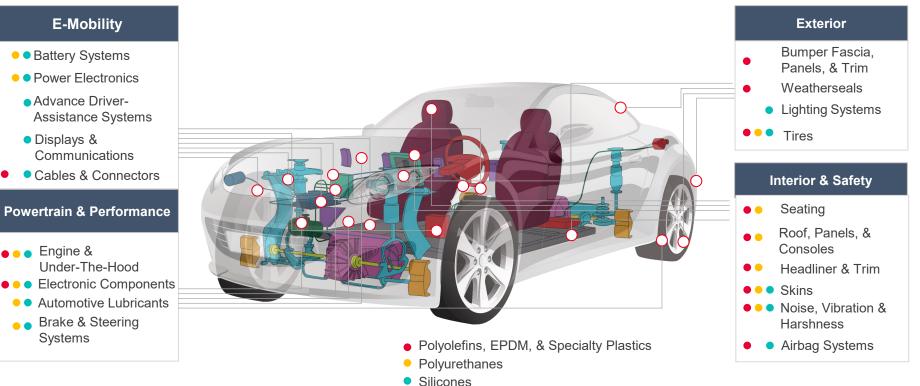
#### **Fiber-reinforced and foam polymer composite housing** Lightweighting, durability, fast

**Conformal coatings** Protection against moisture, dust, static

3

4

#### For a full 3D interactive experience, <u>click here</u>



## Contact us - Dow will be your material partners for battery material solutions and battery assembly solutions



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## **Dow.com/emobility**





## Seek

**Together**<sup>™</sup>