



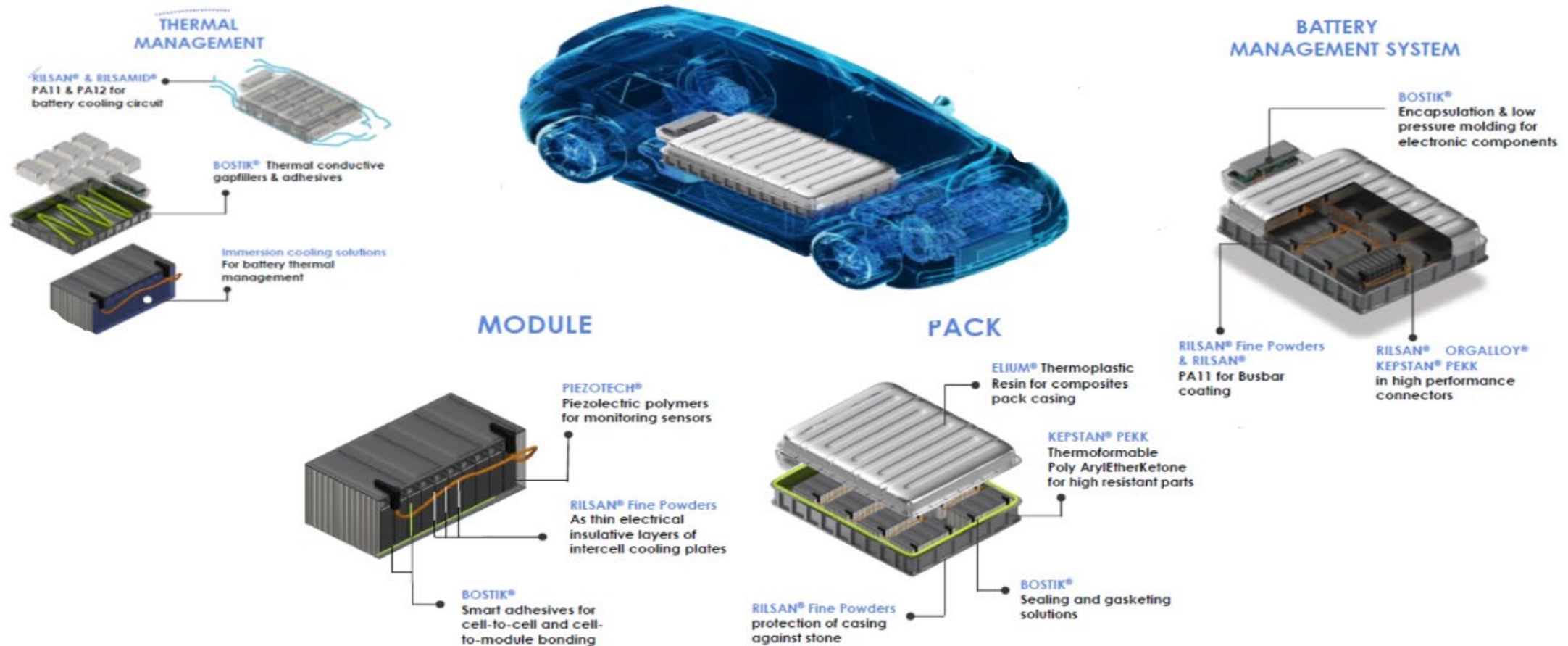
Kynar® PVDF Li-ion Battery Applications

Dana Swan – Business Development Manager

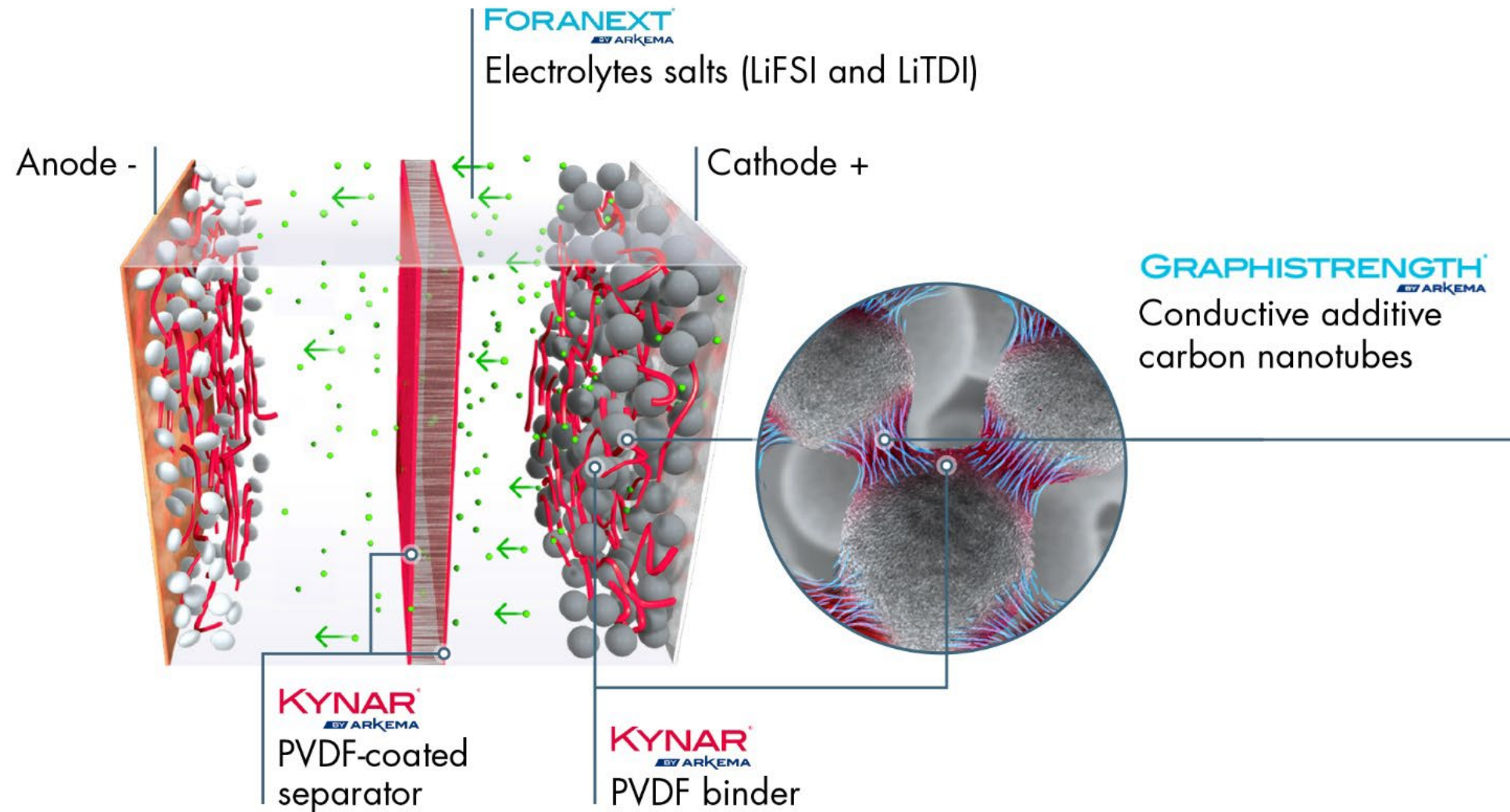
dana.swan@Arkema.com

2/11/2022

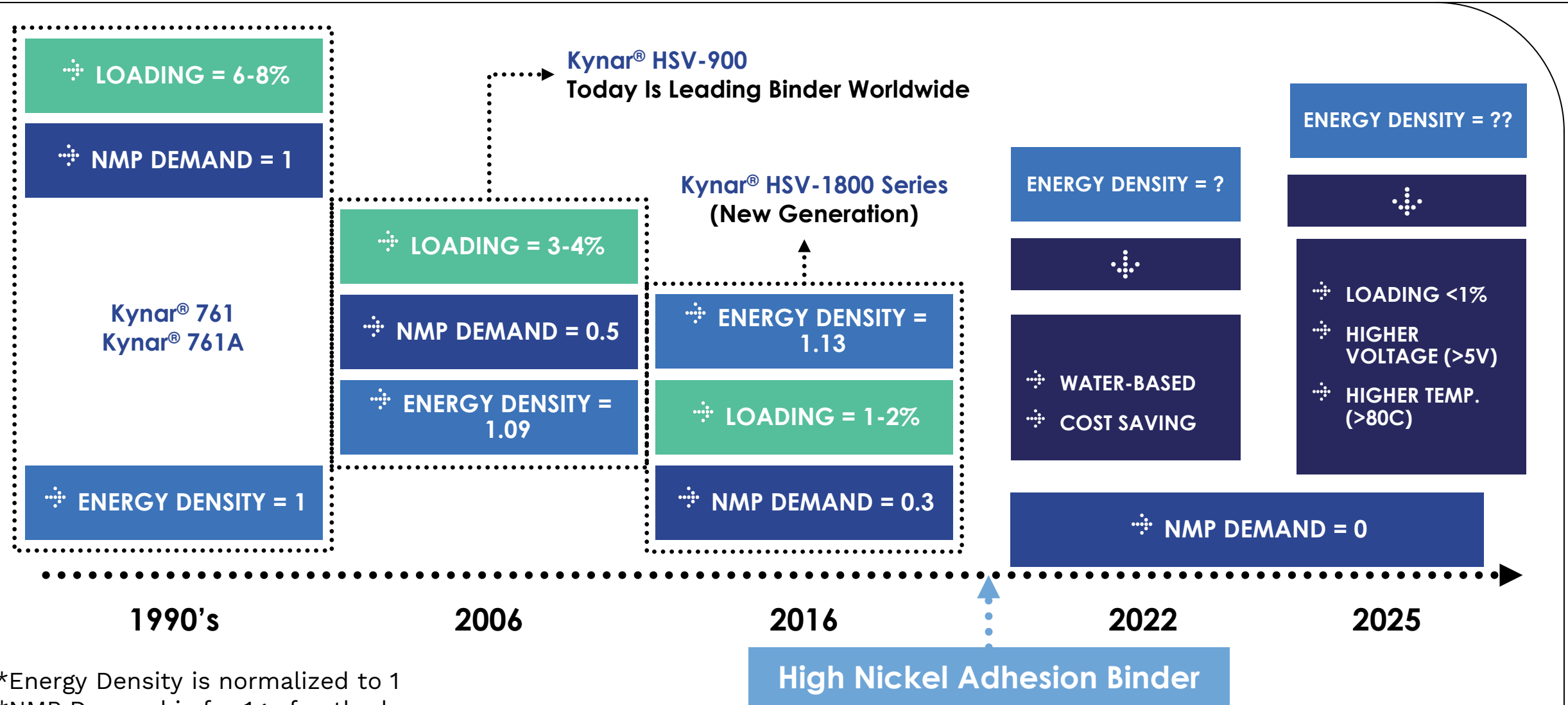
Battery Solutions by Arkema – Outside the cell



Battery Solutions by Arkema - Inside the Battery cell



EVOLUTION OF KYNAR® BINDERS



KYNAR® PVDF BROAD PRODUCT PORTFOLIO = a toolbox for customers

Key fine-tuning parameters...

- Molecular weight
- Crystallinity
- Copolymer content
- Functionalization

For tailor-made properties of Kynar PVDF

- Adhesion
- Flexibility
- Electrolyte uptake (swelling)
- Dissolution speed
- Phase separation speed

Main commercial Kynar® battery grades

