

Intelligent cells; better batteries

NAATBATT Annual Conference

2019

Michael Muzzin, Commercial Director

March 14,



If you had to invent BMS today, how would you do it?

- Compass >> GPS
- Landline phones >> Cellular phones
- Transistor radio >> Infotainment & Telematics

Improved Information & Communication



Dukosi Introduces: Next Level of Core BMS Technology

- Application Specific Integrated Circuit (ASIC),
- *AKA “the Brains”*

PLUS RF (Radio Frequency) Communications,

- *AKA “the Communications Link”*

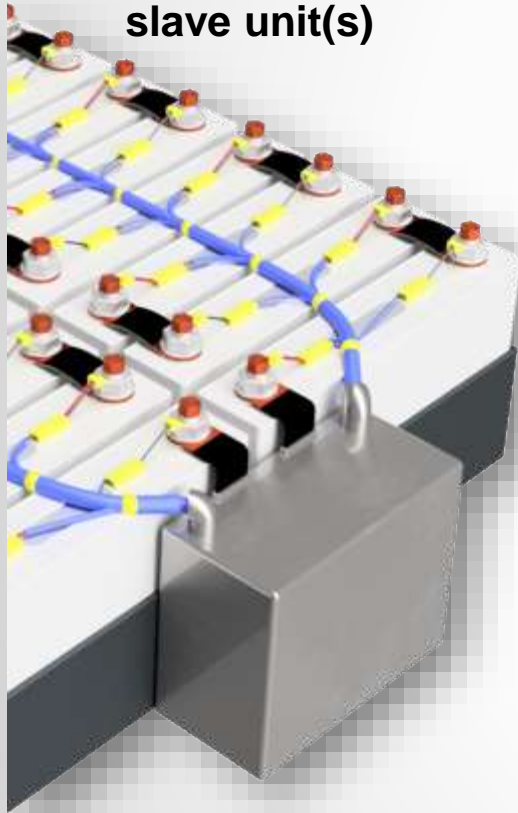
- Integrated by Dukosi software





Dukosi Invents The Intelligent Cell

Conventional pack with wired BMS & slave unit(s)

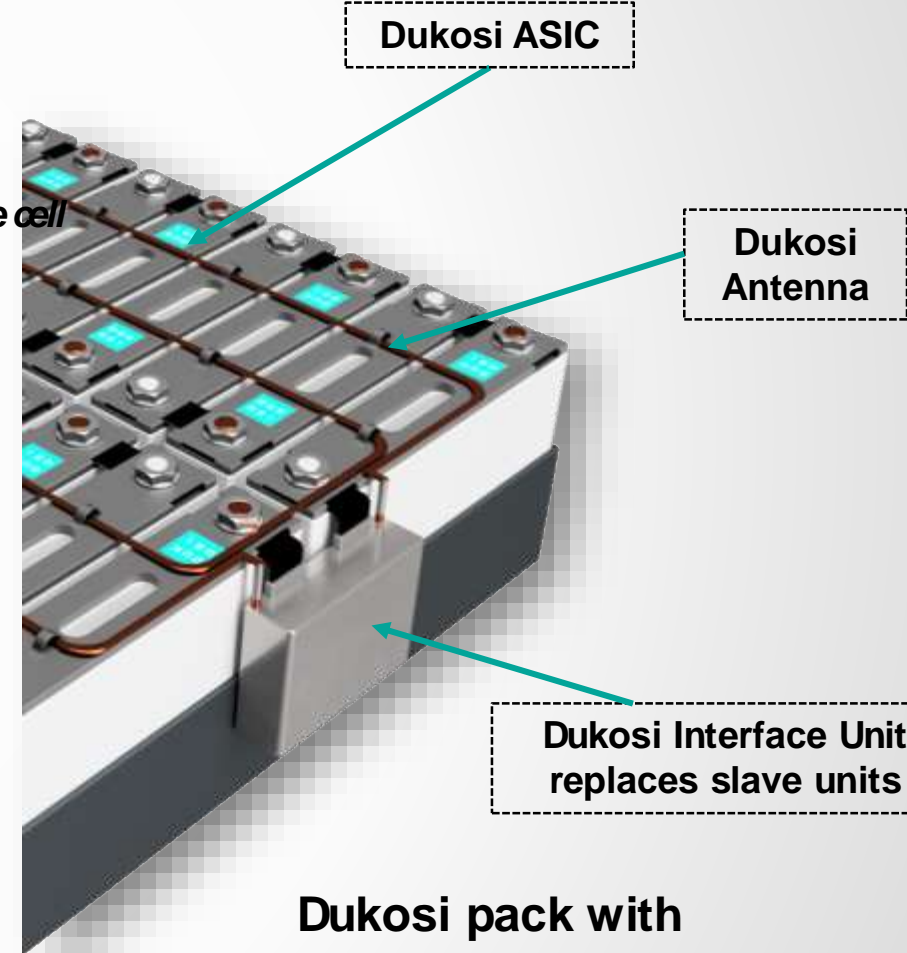


Dukosi Benefits:

- Eliminates wiring and connectors
- Reduces weight and volumetric need
- Real time SOC, SOH calculation and data storage *at the cell* – *permanently*
- Simplifies design and testing
- Simpler and safer – Wires = Fires



Dukosi ASIC embedded in a prismatic cell



Dukosi pack with wireless BMS



Significant Updates

- Commercial Program announced:
 - **XALT Energy, Midland, MI**
- 3rd-Party Cost Study Complete:
 - Project completed with Munro & Associates, the “gold standard” of cost/functional benchmarking.

RESULT: Our study shows Dukosi’s cell-based BMS is **at least 20% less costly** than a current production major automotive BMS.

Significant Updates

- New Board Technical Advisor:

Dr. John Warner (joined October 2018)





Thank You!

For more information:

Revolutionary cell-based BMS

www.dukosi.com

Munro & Associates:

www.leandesign.com

Munro is frequently featured on www.autoline.tv
for their in-depth Tesla Model 3 analysis