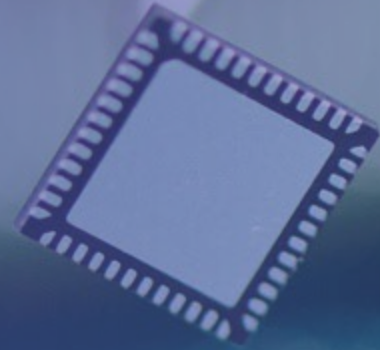




NAATBatt Member Update



Dukosi - Simpler, Safer, Smarter Batteries

Integrated Intelligence

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What the industries are exploring

Simpler Design-in options for batteries and BMS

Cell-to-pack or cell-to-body to minimize volume, weight and complexity

Wireless Architectures

Removing architectural dependencies of wired-module systems

Extending cell range

Improving cell measurement, accuracy and granularity coupled with innovations in chemistry, battery packaging, and reuse opportunities for cells

Data informed decisions

Extending battery life, reducing guardrails of safe operation, reducing and informing warranty claims

Dukosi's Innovative Solution



Each Cell Monitor Hub IC processes and communicates to Radio Manager

More granular data

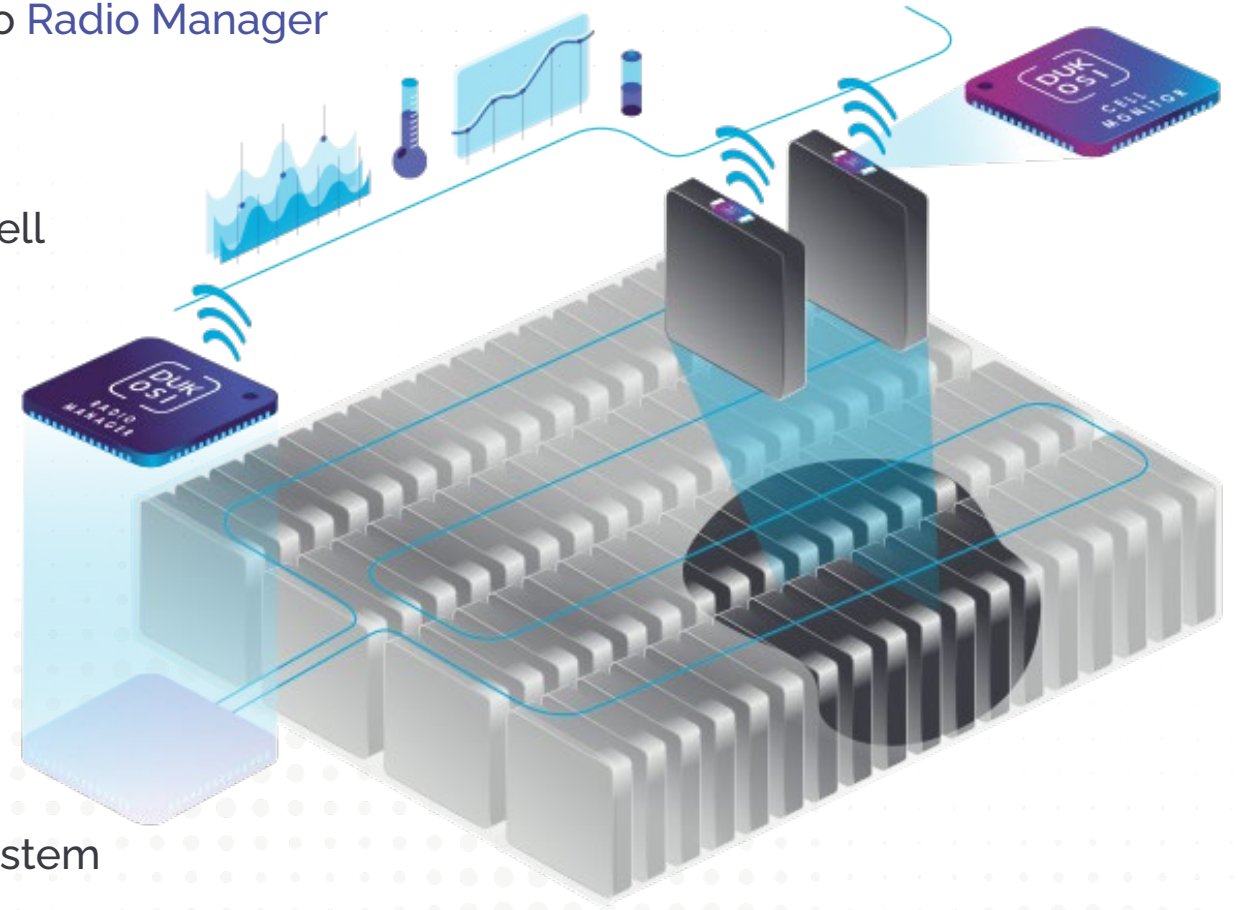
- Voltage, temperature, and current monitored at each cell
- State of charge, state of health processed at each cell
- Even in 'sleep-mode' data is collated

Form factor agnostic

- Pouch, prismatic, or cylindrical cell modules

Wireless communications

- NFC (Near Field Communications) contactless tech
- Removes wires, harnesses, and connectors from the system





Dukosi's Cell Monitor Hub Solution

Next Generation...Now



SIMPLER

Removes wires
from BMS

Common
Platform
Architecture

Cell-by-cell
design flexibility

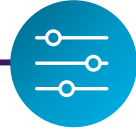
Greater energy
density



SAFER

Reduced failure
points

Accurate
sensing,
advanced
modelling &
granularity

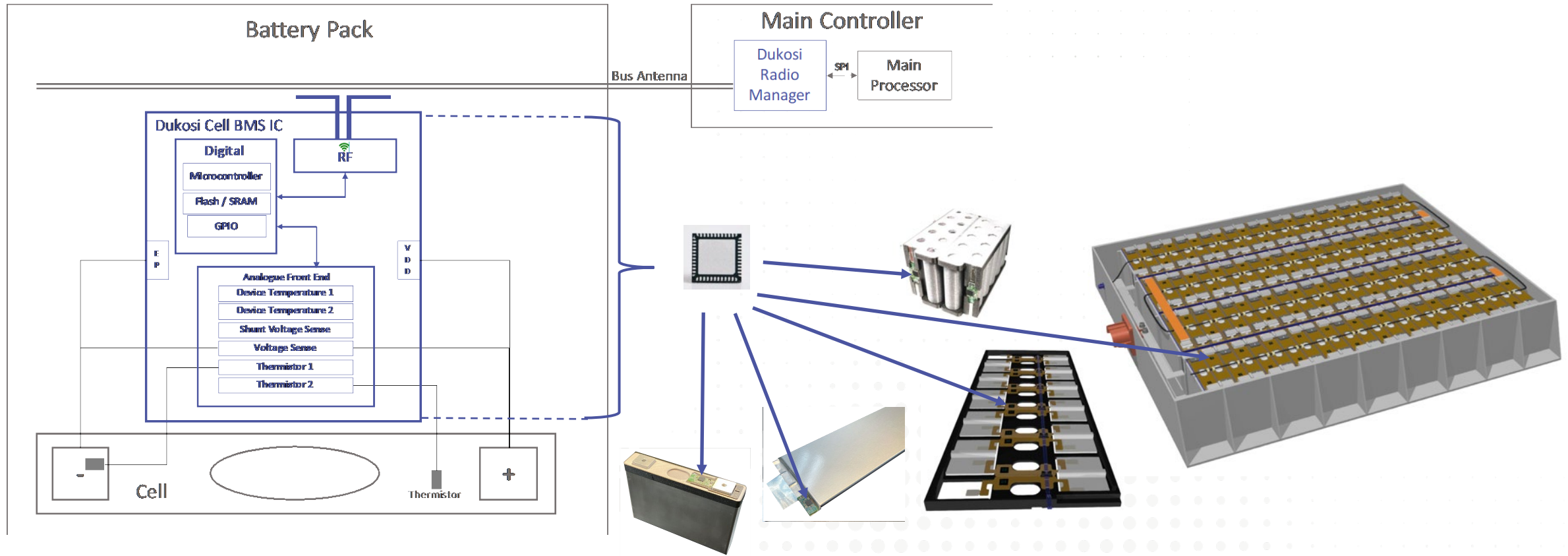


SMARTER

Better data
means improved
performance
and efficiency

Edge compute
pre-processes
data for speed
of prognostics

Integrated Intelligence



Our technology – Creating intelligent cells that monitor, process, and communicate

Key Milestones & Product Availability



Key Milestones

- ✓ Available now: functionally verified engineering samples for development
- 2023: production status, AEC-Q100 qualified

Production Capacity

- ✓ Robust Supply chain with strategic partnerships
 - ✓ Global Foundries – Wafer Processing
 - ✓ Amkor - Package & Test
- ✓ Based on well established Process Node & State-of-Art Design Tools & Processes

Sample hardware available

- ✓ Cell BMS IC on general-purpose eval boards for easy on-cell evaluation
- ✓ Radio Manager IC on interface modules for CAN, SPI, and USB communication



NAATBatt 2022 – Booth #6. Email: dseitz@Dukosi.com



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