

Visteon®

# Smart Junction Box

A more cost effective and safer alternative to traditional battery disconnect units (BDUs).



## Visteon Smart Junction Box

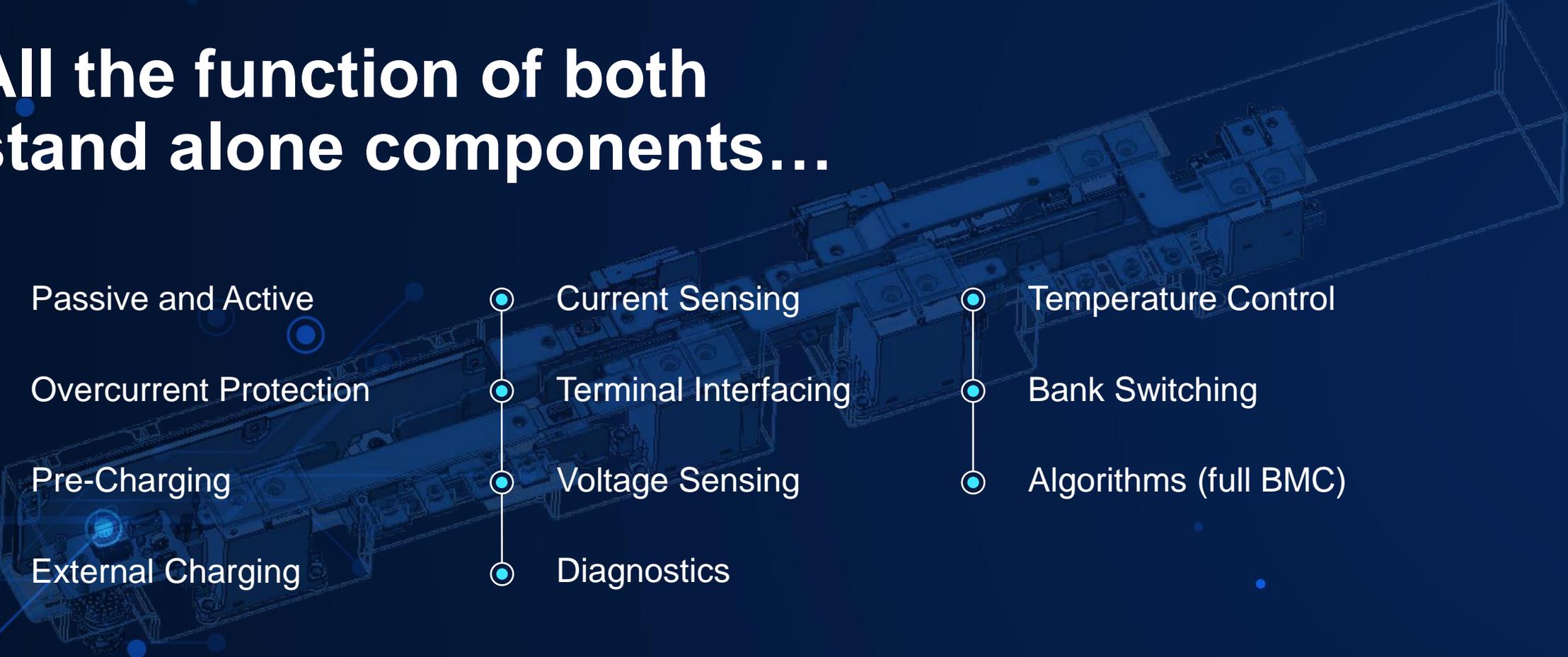
Our technology combines a traditional battery disconnect unit (BDU) with a range of other electronics into a **single integrated unit**.

ENTIRE BATTERY  
MANAGEMENT  
CONTROLLER (BMC)

JUNCTION BOX/  
BATTERY DISCONNECT UNIT (BDU)

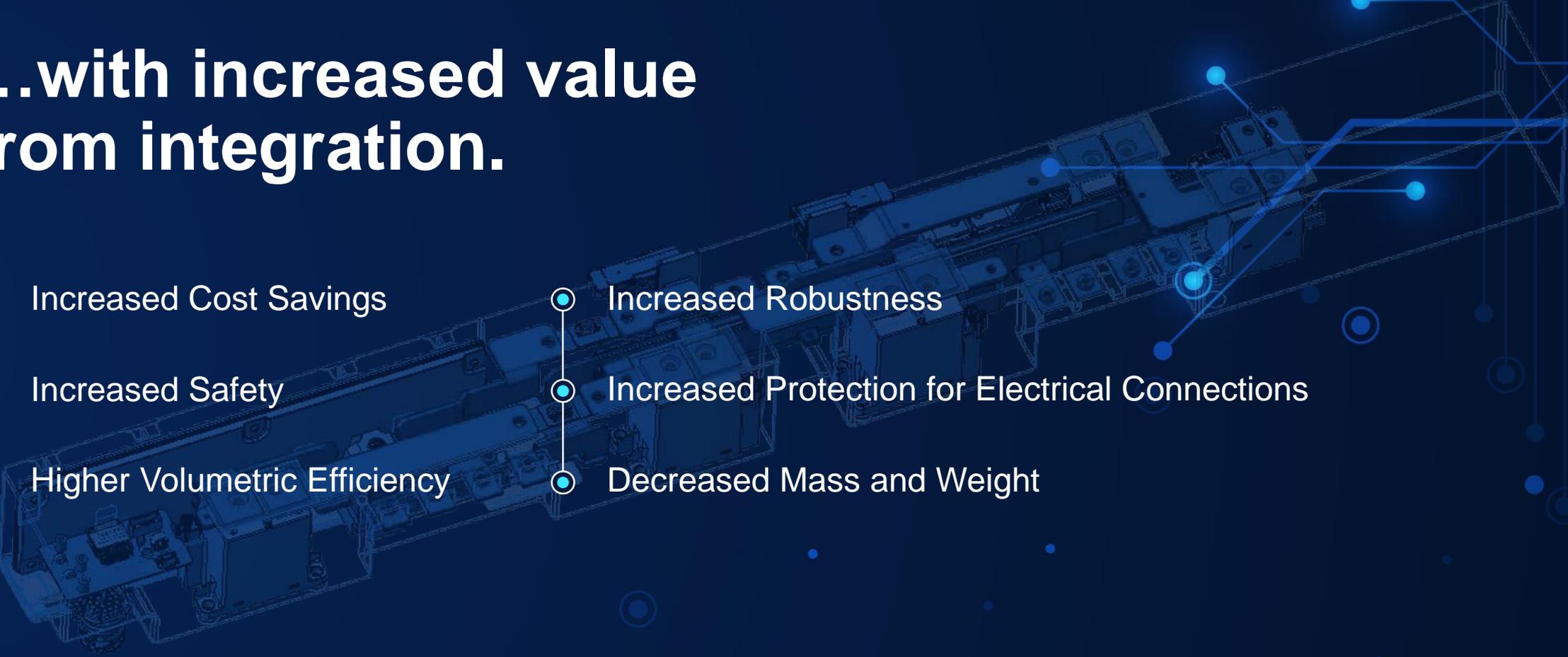
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# All the function of both stand alone components...

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- Passive and Active
  - Overcurrent Protection
  - Pre-Charging
  - External Charging
  - Current Sensing
  - Terminal Interfacing
  - Voltage Sensing
  - Diagnostics
  - Temperature Control
  - Bank Switching
  - Algorithms (full BMC)

## Visteon Smart Junction Box

**...with increased value  
from integration.**

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- Increased Cost Savings
  - Increased Safety
  - Higher Volumetric Efficiency
  - Increased Robustness
  - Increased Protection for Electrical Connections
  - Decreased Mass and Weight

## Visteon Smart Junction Box

### TECHNOLOGY/SPECS

- Embedded with control logic to do self-diagnostics
- Up to 1600A Breaking Capability
- 90G Crash/Drop

