

# Automated BEV Battery Assembly



## Business Challenge

- Complex assembly operation for battery with 120 KW capacity
- Challenging Takt Time for each battery assembly
- Hazardous for humans to manually assemble



## Wipro PARI Solution

- AGV based flexible assembly line
- Insulated part handling pallets
- 100% error proofed bus bars and electrical connections
- Cobot based Vision inspection of the assembly
- Robotic fastener rundown stations
- Automated leak testing of the assembly
- Electrical testing of the battery assembly



## Benefits/ Business Outcomes

- Cycle time requirements were matched
- Flexible layout with optimum floor coverage due to AGV based transport system
- Dependency on skilled operators is eliminated

