

Engineering Transformation for Li-Ion Battery

E2E Offerings

Domain Led Eng.

Smart & Connected World

Eng. Led Business Transformation

Case study – EAC setup for European ESS Battery Manufacturer

Customer



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Application



- ESS and Transportation Battery Solutions

Deal size



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Requirement background



- In order to expedite the development and launch of their products fast to the market, customer was looking for R&D partner
- Innovation & Engineering Acceleration Center (EAC) for design and development of Li-Ion Batteries was established

Offering



- BGSW offers to a Global Battery OEM with the dedicated Innovation & Engineering Acceleration Center (EAC) for design & development of Li-Ion Batteries.
- Product Architecture involves Cell Level to Module, to multiple strings of battery packs , each 48V leading to upto pack/container voltage of 1000V.
- Cloud based Digital solutions, Remote Monitoring , Increasing the lifetime of Battery

Accomplishments



- ESS Battery container is made compliance with UL- Safety norms like UL-60730
- Railway BMS solutions implemented for TGV train with SIL compliant.

Technology and Innovation



- End to End BMS and product dev solutions including Gateway, Tools, Cyber Security, Web solutions
- Customized HW development as per customer specifications, including test infrastructure



Images



Internal

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