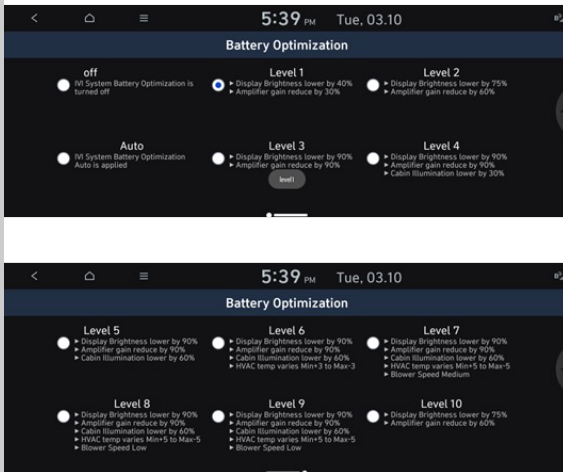


EV Power Optimizer APP



Objectives of EV Power Optimization Project

- Power Management at Runtime
- Smart control of car functions like Mobile
- Digital first
- Power optimization as design consideration

Approach

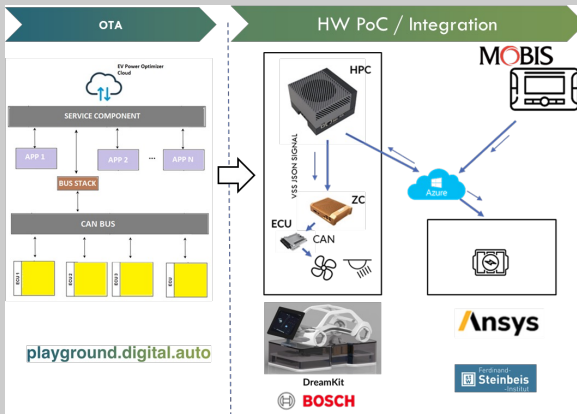
- Use case definition & Guidelines
- In Car App
- Car Subsystem Integration
- Collaborative Solution Development

Benefits of EV Power Optimization

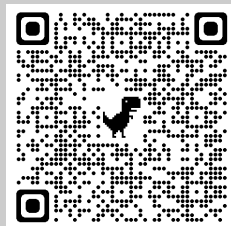
- Utilization by different companies across the Automotive Industry as a Standard for Power Optimization
- Enhancement of Software Defined Vehicle (SDV) Technologies
- Run time power optimization from Software to Hardware
- Releasing standard guide for power optimization at product level
- Implement first at Infotainment system and expand the learnings to other products in collaboration with Industrial partners like OEM, Tier1 and Technology players

Partnership Ecosystem

- MOBIS has formed valuable partnerships with leading technology companies that have played a pivotal role in shaping this project. Our esteemed partners include:
 - ✓ Bosch
 - ✓ Ansys
 - ✓ Ferdinand Steinbeis Institute



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Outcomes

- Standard Power Optimization Guidelines for reference
- Source Code through COVESA project
- Data on different use cases and results
- Power optimization branch defining VSS Signals

For more information on COVESA EV Power Optimization, please visit:
<https://wiki.covesa.global/display/WIK4/EV+Optimization+-+Increase+Travel+Range+for+Fixed+Battery>