

Case Study: Redefining home appliance user experiences

E2E Offerings

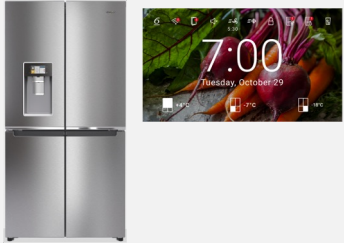
Domain Led Eng.

Smart & Connected World

Eng. Led Business Transformation

End-to-End product experience engineering partner for a leading US based Home Appliance manufacturer

Android HMIs



- HMI GUI development for multiple appliance product lines.
- Android based HMI GUI Software that runs on proprietary SW platform.
- SW platform based approach that caters to multiple brand & variants

SW Platform for mass segments



- HMI SDK aids accelerated development of multiple products (Cooking, Refrigeration, Laundry & Dishwasher) across multiple variants in the economy category.
- Enables customer to realize next gen UX / UI on resource constrained hardware.
- Common HMI features/widgets are implemented, which can be customized as per variants
- Enables quick time to market with more reusable assets and flows built-in.
- Unit test case development & execution using JEST

Platform based SW for premium segments



- Premium segment double Cavity Oven and Microwave.
- One platform base that produces 4 sub variants - Single & Double Oven, Single Microwave, Microwave Oven Combo.
- Platform integration to access multiple digitized recipes. Recipes can be added using mobile phone.
- Feature implementation, UI revamp, Functional test cases are automated using Espresso framework.

Automated V&V



- Established and scaled HMI V&V Solution Center for automation-based HMI and appliance testing.
- Complete responsibility across entire product portfolio (Cooking, Refrigeration, Laundry & Dishwasher)
- Bosch GTS and UniTAS solution along with custom HIL system integration for maximized automation
- High efficiency and faster test executions
- Significantly enhanced test coverage with almost nil defect leakage to field
- Fully remote test execution capabilities

Internal

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