AV System Software development & Test Automation

BENEFITS

- Experienced engineers with flexible capacity pool enabled control of R&D budget
- Local-global team from QuEST collaborated with customers' team spread across geographies
- Test automation enabled full coverage of regression tests during each product release, thereby ensuring on-time stable product releases

RESULTS

- Delivered a fully functional unit in 12 months
- Improved product quality and created first-time-right products by increasing amount of test automation

CUSTOMER CHALLENGES

New product in minimal turn-around time

Customer is a world leader in high end audio/video systems and was looking for a strategic partner to
- Reduce time to market without compromising product quality
- Help control R&D costs and cater to R&D centers in US, Japan and Australia

SCOPE

- Development of
  - Embedded Software – Design and development of embedded software (firmware, middleware and application)
  - Mobile – Development of Android and iOS mobile applications for accessing the data from cloud.
  - Cloud – For storing the personalization details in cloud
- Test Automation to increase efficiency

SOLUTION

- A cross functional team of customer technical architects and QuEST members
- Onsite bilingual engineers for seamless communication with Japanese customer
- Agile development model
- Dedicated governance structure and KPI establishment during KT phase
- Fully dedicated lab facility with complete infrastructure
- Test Automation for faster regression test

FEATURES

- High end audio system with industry first features like Mobile app based tuner, personalization details at cloud etc

BORN TO ENGINEER