A grayscale photograph of a hand-drawn sketch of a car on a piece of paper. The sketch is done with dark lines and is positioned in the center of the frame. In the foreground, a hand is visible, holding a pen, suggesting the act of drawing. The background is slightly blurred, showing some faint text and lines, possibly from a document or another sketch. The overall tone is professional and creative.

PRODUCT VALIDATION

End to end validation of the companion mobile App of a Robotic Vacuum Cleaner Manufacturer

SCOPE

- iOS and Android mobile Application Validation
 - **Functional Testing** - Launching of the application, User registration/signup, Device onboarding, Robot control
 - **Compatibility Testing** - OS version compatibility, upgrades
 - **Language localization** – Mobile app tests for various languages and device location settings, EU compliance
 - **Mapping Smoothing** – Map smoothing algorithm accuracy and functional validation
- Connectivity & Network test – low network connectivity behaviors,
- Performance testing – load testing, response time,
- User experience - Usability and user testing. Testing in model homes and other environments

TOOLS

- Appium Tool with Eclipse IDE-Selenium
- JIRA

Test environment

System testing

TATA ELXSI

VALIDATION FOR MOBILE APPLICATION



Product phase

In market

End to end validation of the companion mobile App of a Robotic Vacuum Cleaner Manufacturer

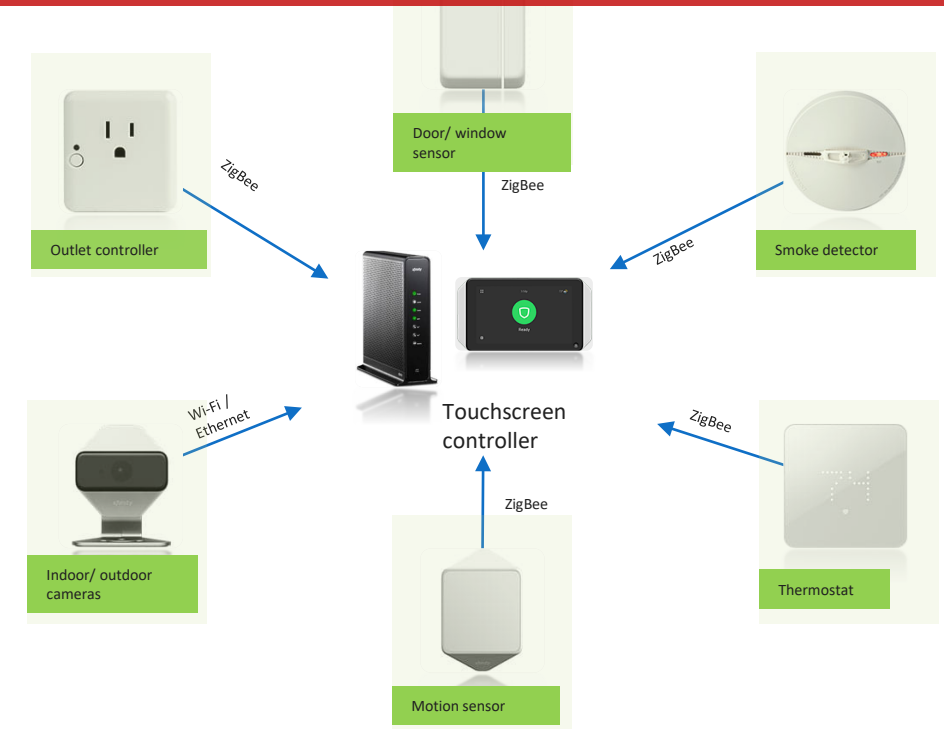
SCOPE

- Integrating gateway and IoT devices to iControl cloud platform
- Mobile Application integration and on-boarding
- Feature upgradation
- Testing: Connectivity and performance

SCALING TO NEXT LEVEL

- Cloud based Rules Engine for more reliability
- Additional scheduling options while creating rules (day, time, security mode)
- Multiple users within same household can access app to create/update rules
- Scalable & Support for multiple tenants
- Support for multiple device operations (Scenes)

INTEROPERABILITY TESTING AND SYSTEM INTEGRATION



Team Size

12

Market

Smart Home

Delivery Model

Fixed Cost

Product phase

In market