CASHEM-Context-Aware Smart Home Energy Manager

Honeywell

Early stage research project testing comprehensive home energy management with effective consumer engagement

Dept. of Energy (DoE) Buildings Technologies Program

Two year R&D and prototype demonstration project

Team Members

Honeywell Labs - Minneapolis Honeywell Technology Solutions - Bangalore



In partnership with







CASHEM- technology to understand consumers

Honeywell

Integration

- Implemented with in-home web server to test UI functions during pilot and push data to Amazon EC2
- Defined API for control function connectivity across diverse devices

Energy analytics

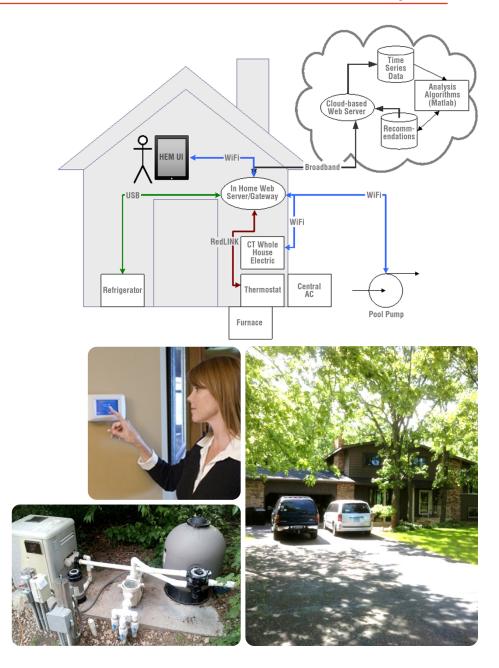
- Disaggregating
- Occupancy calculations
- What-if modeling from data
- Recommendation messages

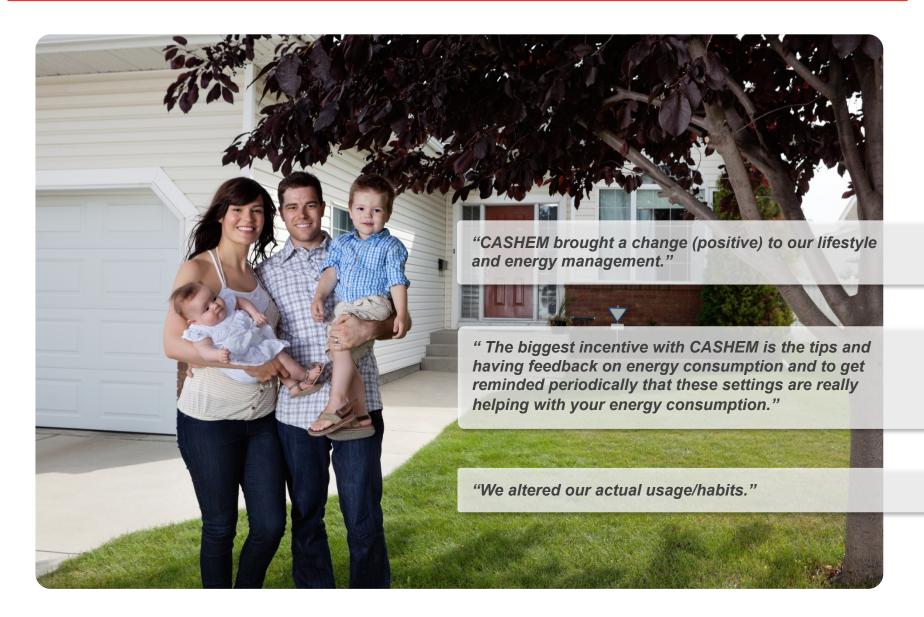
User interface design

 Unified HTML5 based interface on tablet

Field testing

Live testing in residences





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