

Data-Driven Opportunities in the Smart Home and Implications for Insurers

March 23, 2018



In just an average 60 seconds in 2017...





Agenda

- The Connected Home Market Landscape
- Position of Voice Assistants
- Insurance Applications Claims
- IoT Opportunities and Trends





Verisk Team – Connected Property



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Connected Home Market Trends





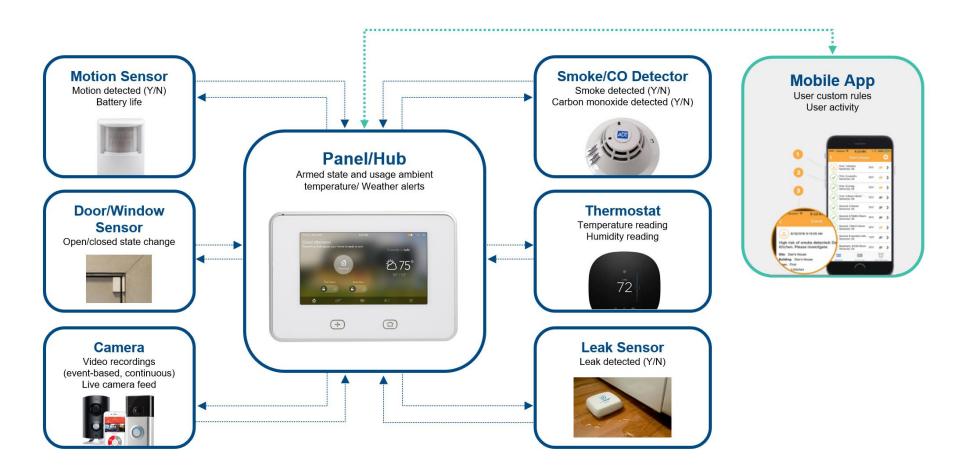
The Connected Home

- 1. Concept of Connected Home
 - 1. 23-25% have home security, ~5-10% have smart home tech
 - 2. Discounts are being offered today
- 2. Basic capabilities of a Connected Home:
 - Security
 - Automation
 - Energy Efficiency
 - Entertainment
- 3. Shifts, emerging trends in the market place
 - DIY vs. Prof Install
 - Prof Monitored vs. Self- Monitored
 - Insurtech funding increasing the number of : Platforms, and Hardware companies
 - End to End Systems vs. Point Solutions
 - Voice at the center of the home





Common Devices and Data





A View of the Technology Landscape





Voice Assistant Landscape

The choices are growing, and so are sales...



"[...] We believe voice is the most natural user interface and can really improve the way people interact with technology."

Dawn Brun

Public relations Senior Manager at Amazon



Additional Voice Assistants

Smartphone-enabled voice assistants

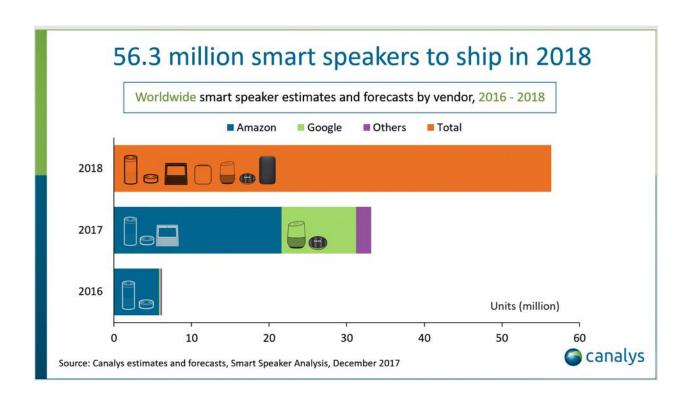
Samsung **Microsoft**







Voice Assistant Sales Continue





Insurance Applications



Distribution and marketing

- Value-added services
- Customer interaction/intimacy



- Segmentation of risk
- Usage-based insurance and telematics
- New products



Claims

- · Loss mitigation
- · Data-powered claims handling



IoT – Insurance Opportunities

- Roughly 60% of consumers are likely to purchase a smart home product that can detect, notify of, or prevent damage or loss.
- Nearly 40% of consumers would switch insurers to obtain smart home products.



IoT – Insurance Opportunities

- Nearly 50% of consumers are interested in receiving additional services from their insurance provider.
- Roughly 75% of respondents willing to purchase a smart product are willing to let the devices automatically communicate with insurance companies.



Illustrative Connected-Home Road Map

Pilot/Test

Gain familiarity with the technology and data through a pilot to develop your own hypotheses.

Verify

Use basic data elements from connected homes to systematically verify existence of protective devices at point of sale and renewal.

Expand

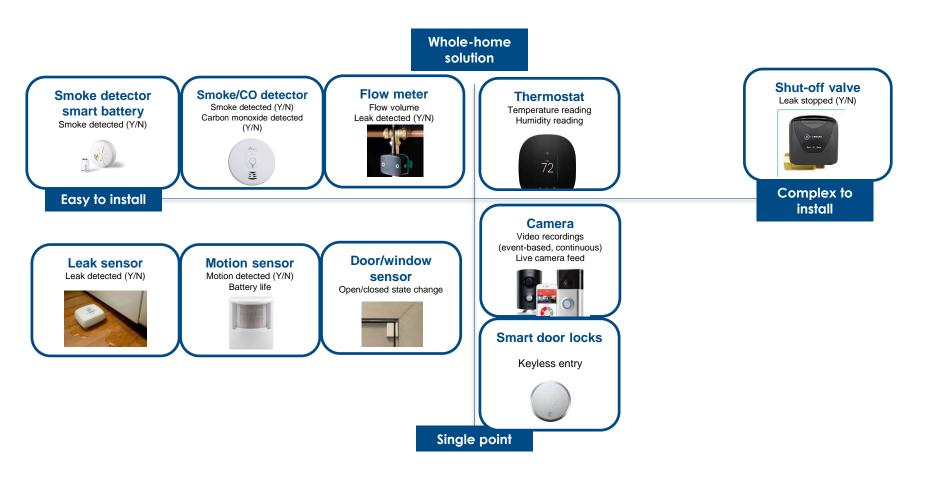
Collect a greater variety of connected data across a variety of providers to create and increase segmentation and expand discounts.

Predict

Use real-time connected-home data to develop predictive, usage-based insurance models to offer the best price to the best risks.

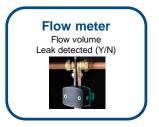


User Experience and Common Devices





Water







- Alert property owner of possible water leak, risk of leak or shut of water
- Potential opportunity to eliminate some water leaks
- Provides date and time of event for one location
- Leverage machine learning to determine property behavior



Fire

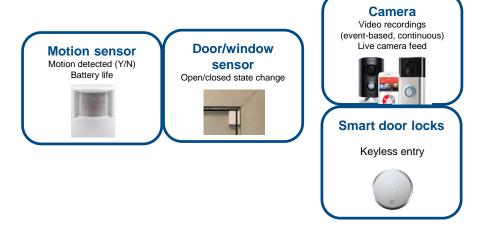


- Alert property owner of potential fire based on smoke
- Devices provide date and time of event for smoke or fire
- Smoke/CO detector can show changes to readings leading to an event
- Leverage machine learning for predicting fires or CO



Theft

- Alert property owner of activity
- Discourage or identify intruder, thief, or vandal
- Indicate path of intruder or point of entry
- Identify or document data, time and trigger

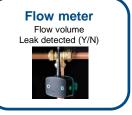




Environment

- Monitor changes such as humidity, temperature or physical environment
- Receive notices regarding freezing risk







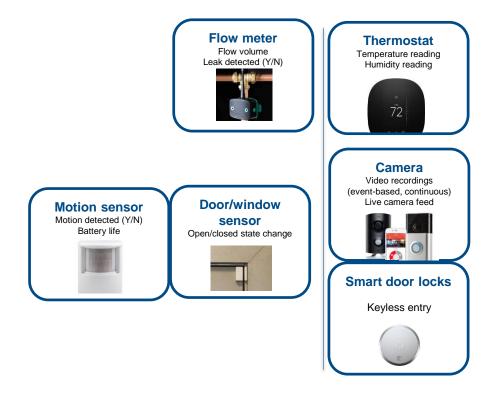






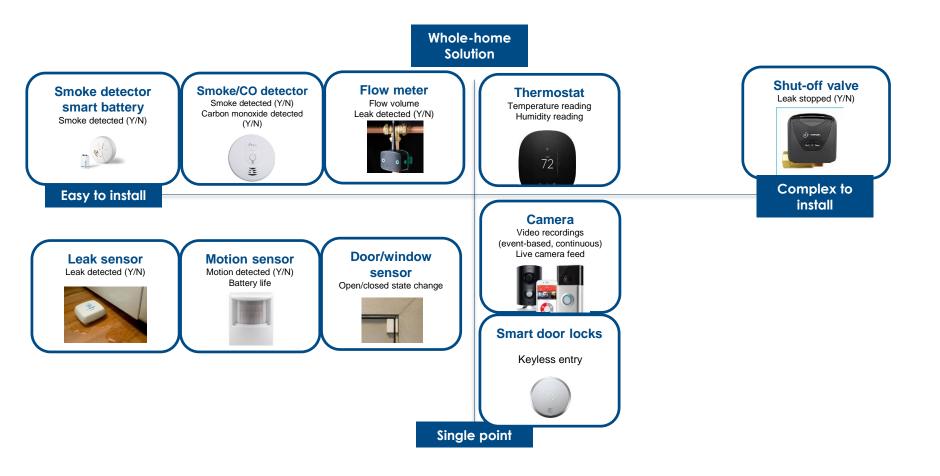
Determine Occupancy

Determine if the property has occupants or is vacant





Use IoT Devices for Insurance





Challenges for Insurers

Navigating a Complex Connected Home Ecosystem





Consumer privacy & security concerns



Data Volume & Structure





Top Initiatives

- The "connected world" continues to be among the top 5 initiatives for insurers.
- Data and analytics are among the top initiatives for 90% of property/casualty insurers.

IoT is disrupting insurance!

Source: Strategy meets Action



Questions?

Thank You

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