sense

Sense Intro

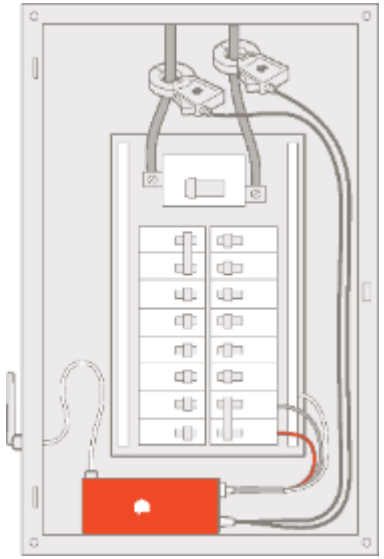
June 2022

Sense: Intelligence for the home

How does Sense work?

INSTALLATION

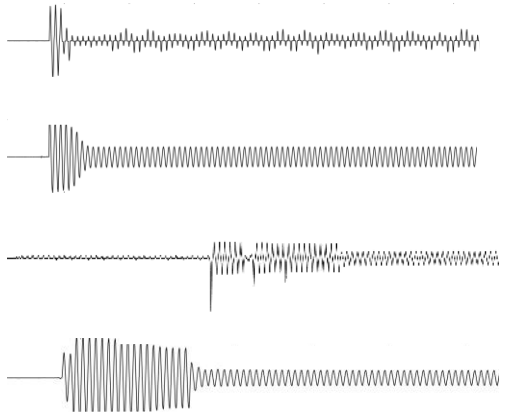
15 min installation in home's electric panel.
Sense recommends electrician install.
No need for sensors on each circuit breaker.
No need for smart plugs for each appliance.
No need for smart meter.



MACHINE LEARNING

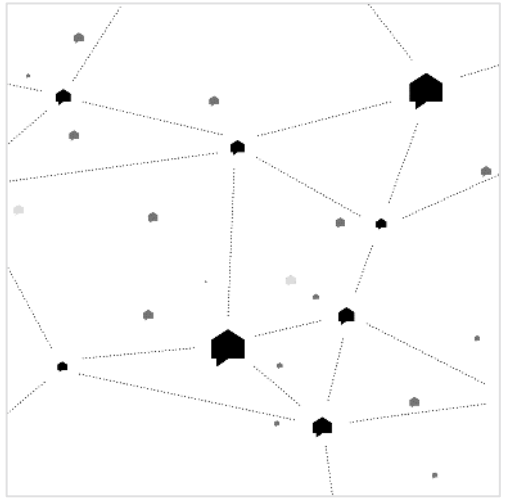
Sense samples each home's power one million times per second.

Sense conducts machine learning to identify the unique signature of each electronic device, determine its state and energy usage.



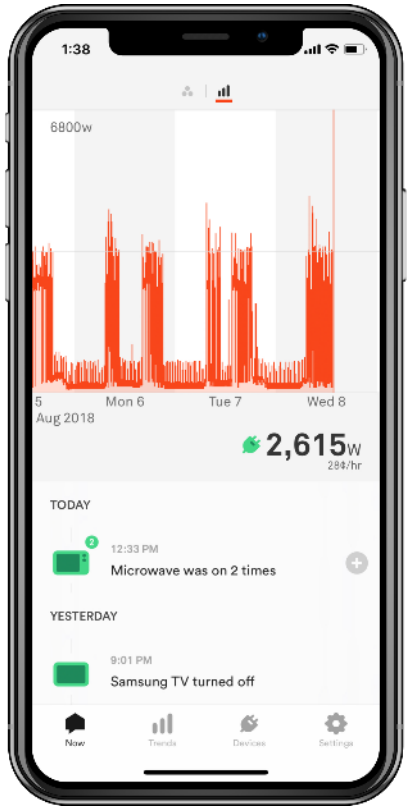
NETWORK EFFECT

Sense is building up a library of signatures. As Sense collects more data, is in more homes, and samples a diversity of appliances, the library is continually growing.



Smart home use cases

Sense: at the intersection of energy and the smart home



Google Home
Voice-activated speaker

ecobee

wemo

IFTTT

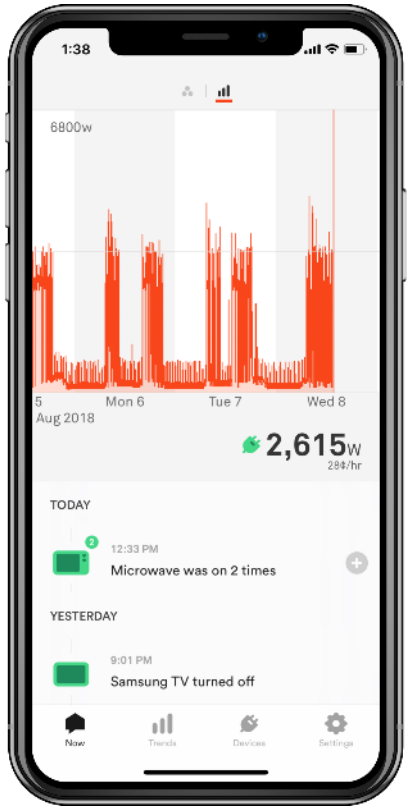
tp-link

hue personal wireless lighting

amazon echo

chargepoint

Sense: built into future homes with Schneider



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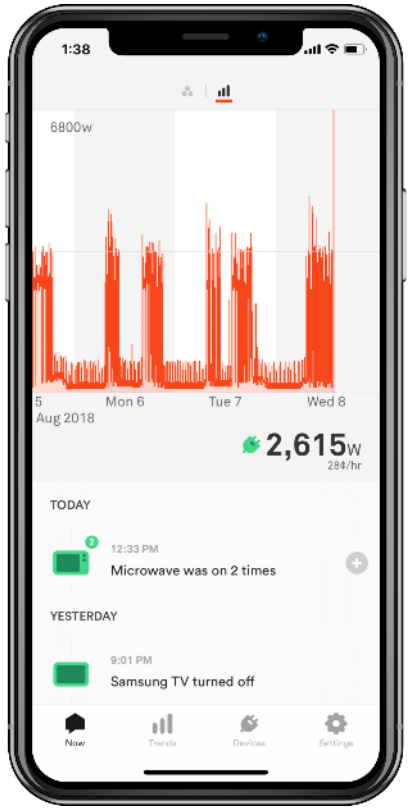
Sense: built into utility meters

Next Generation
Utility Meter



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Use Cases

Energy Savings

Real-time detailed view drives engagement

50% weekly actives, average of 10 app opens per week

Engaged user gain transparency into energy use in homes

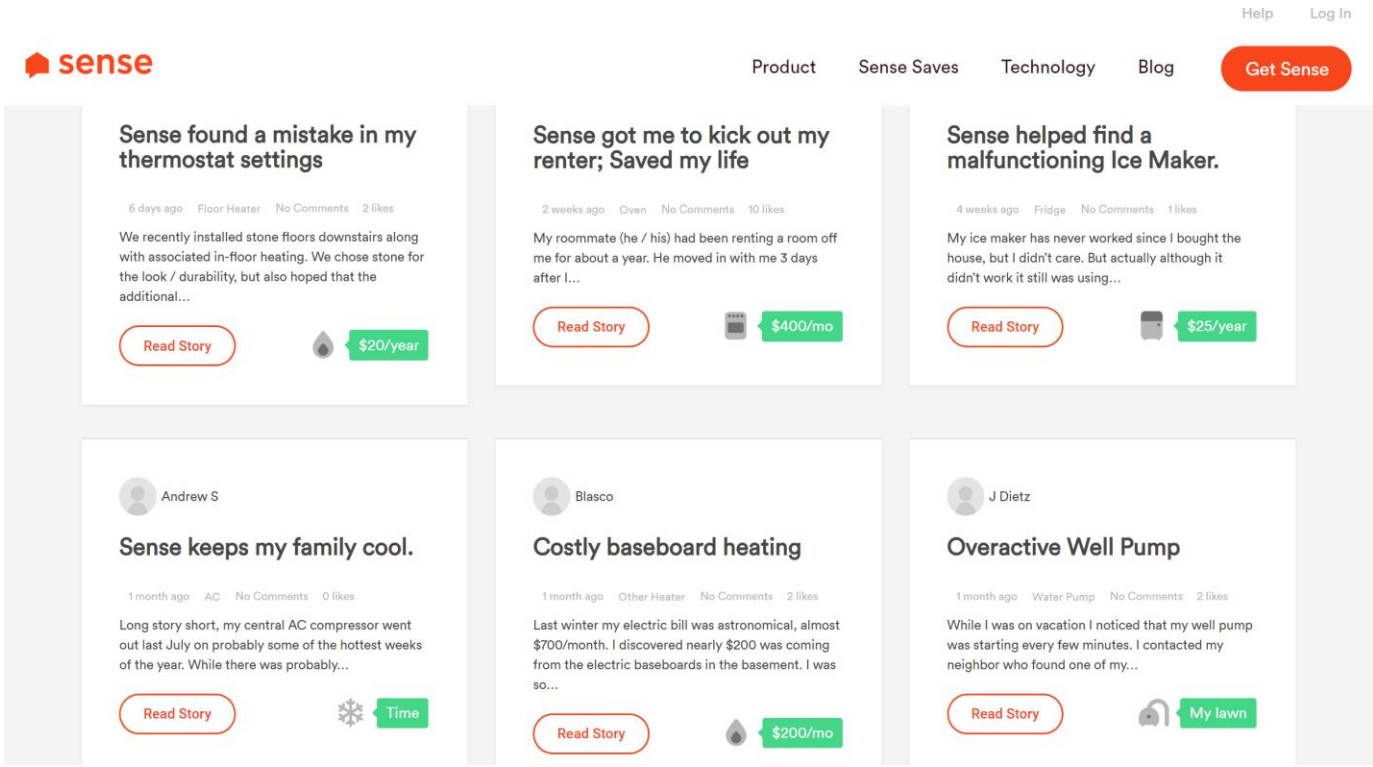
Savings through simple changes

Motivated users track down energy hogs

See sensesaves.sense.com

HVAC optimization coming

Thermostat+Sense+building modeling



HVAC: Combining Energy Metering and Thermostats

Connected thermostats know:

Setpoints and schedules

Indoor and outdoor temperatures

HVAC runtimes

High resolution energy monitors know:

Actual energy use

Detailed equipment behavior (for performance tracking and fault detection)

Sense working on:

HVAC fault detection

HVAC performance tracking

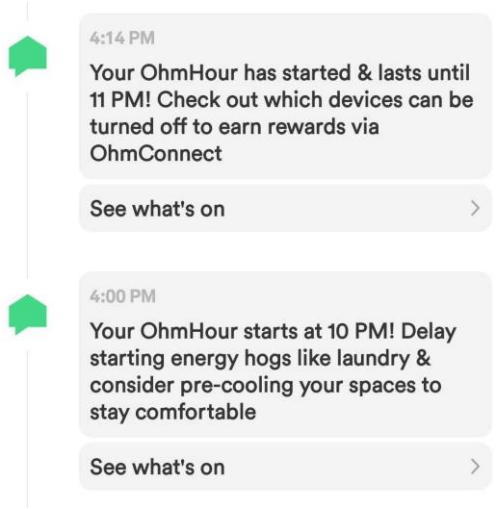
Load Shifting

Behavioral DR

Existing paradigm

Just launched with OhmConnect in CA

Sense benefits: engaged consumers, real-time view of what is on, data on results

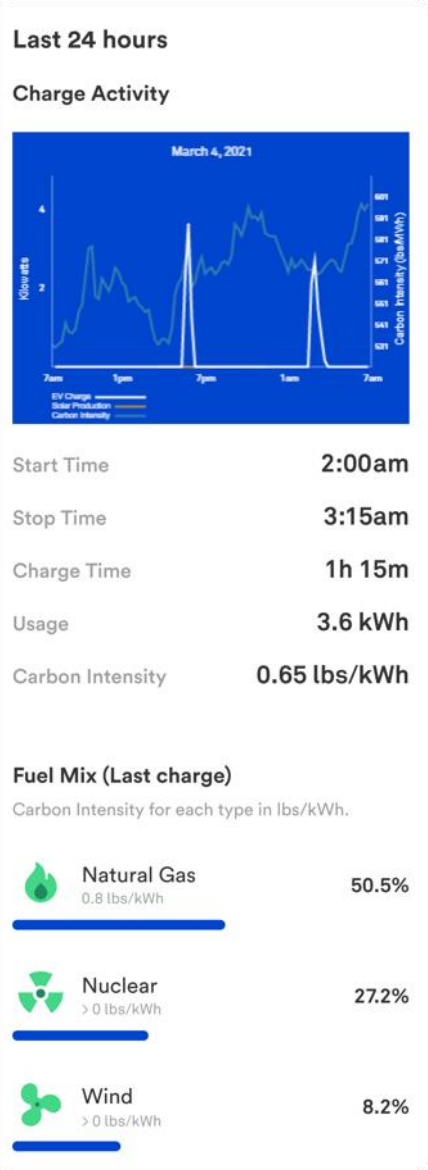


Automated

Consumers don't want to bothered

Automation allows real-time, dynamic, and predictable load shifting

Target loads: EVs, Water heater, HVAC, pool pumps, etc



Carbon Intensity

Newest release exposes Carbon Intensity and fuel source to consumers

Providing consumer awareness

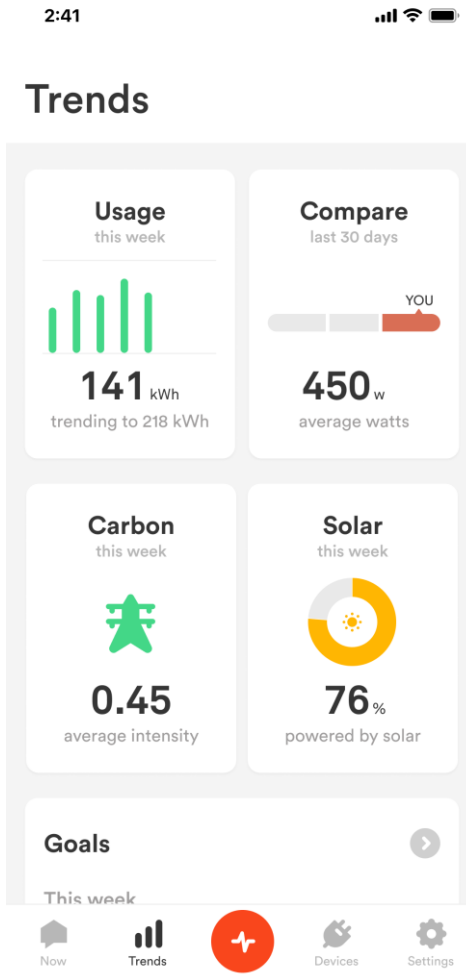
Using as example of future optimization

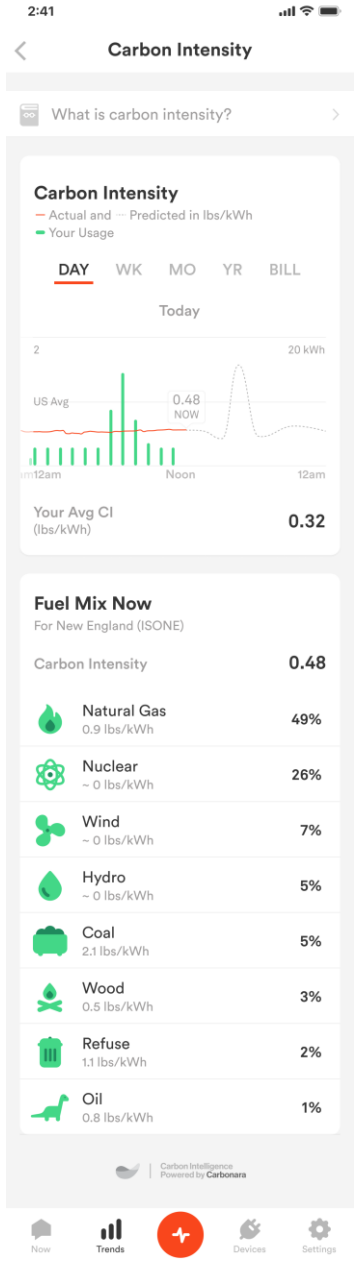
Really want joint optimization of

Carbon intensity

Cost

Grid and resource constraints





Thank you

sense.com