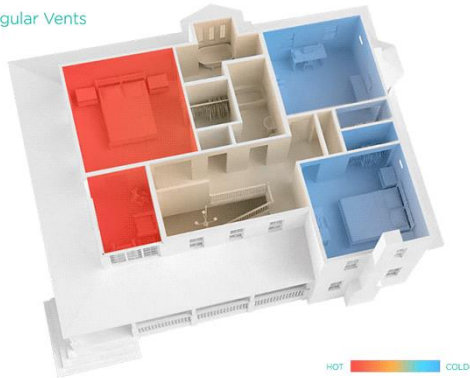


# Keen Home: Smart vent

## The Problem

Regular Vents



## The Product Solution



## The Benefits



### Increase Comfort

Smart Vents let you customize the temperature of individual rooms and eliminate those pesky hot and cold spots.

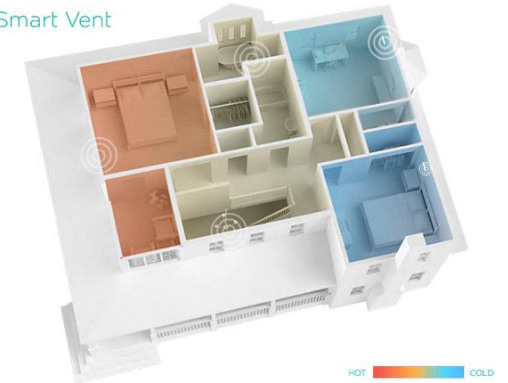


### Decrease Energy

Room-by-room zoning can reduce energy usage and costs by up to 30%.

## The Outcome

Smart Vent



## Components

### Physical

- Easy retrofit on existing homes, replacing existing vents with Smart Vents
- Sensors to monitor air pressure on closed / open vents so as not overload HVAC
- Additional Smart Filters can enable better air purification

### Smart

- Updates capabilities of HVAC
- Intelligently distribute airflow in your home by closing and opening vents
- Redistribute air from rooms unused for large portions of the day

### Connectivity

- Remote Access to temperature control and air purification in individual rooms
- Control by other smart devices like Nest and Ecobee

## Capabilities

### Monitor

- Able to monitor temperature and air-quality in individual rooms

### Control

- Remotely close and open air vents in individual rooms based on occupancy
- Increase Comfort - Able to redistribute air-flow to rooms that need it the most

### Optimize

- Optimise air-flow dynamically to each rooms over different times of day
- Decrease energy - Reduce unwanted cooling / heating in un-occupied rooms

### Automate

- Learns historic usage patterns to automate closing / opening of vents