

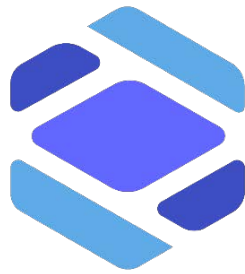
This presentation was live at:



# Smart Buildings

**SHOW**

18-19 October 2023 • ExCel London



# Home Connectivity Alliance

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# Dedicated and focused alliance for large appliance, HVAC & TVs

## Large appliances have complex functionalities and unique safety and connectivity requirements

- Manufacturers feels it is the right time to create a **dedicated manufacturer forum** to work together on connected IoT strategies, policies and interoperability that impact the appliance industry and its consumers.
- Home appliances, HVAC systems and TV's have **complex functionality and requirements**. Many have large, moving, mechanical parts and some operate with extreme temperatures and high voltage electrical components.
- Large appliances have long lifecycles (5-15years) and is a large investment in our homes. The ability to **support legacy smart devices is a key part of the requirement** for our industries. C2C interoperability allows us to continue to serve our current (legacy) and future consumers.



long lifecycles



physical safety requirements



infrastructure in the home



## Sustainability is at the core of HCA strategy

1

### Sustainable for Environment

Energy Management  
Carbon Credit



Lead energy savings in the home

2

### Sustainable for Industry

Beyond Interop to  
New Biz Models



Leverage scale to enable new business

3

### Sustainable for Consumers

Smart Home for the  
Everyday Person (mass)



Include legacy devices & Use longer

## Any App with Any Device



\* 15 product categories

### Benefit to Consumers:

- Any app to control appliance & HVAC
- Direct & secure connect to manufacturer for warranty, service & support
- Energy savings through HCA partners

### Benefit to Manufacturers:

- Leadership in IoT and dedicated forum for industry wide alignment
- Maintain differentiation between brands
- New revenue models through scale

### Benefit to Industry Partners:

- Access to real time in home data (API)
- Daily touchpoints & long engagements
- Home data at scale & shared biz models

# Focused on tangible benefits for mass market

Through appliance interoperability, data and savings algorithms,  
**provide leadership in sustainability for the home**

## Whole home energy monitoring

Unique opportunity with **multi brand, multi category** energy data access. Accurate data based on actual device usage



## Energy savings algorithm and appliance features

With **deep knowledge in products**, develop savings commands and features to manage energy load for home



## New business models

Working with utility and energy management companies, **explore new business models** to provide benefit for consumers & manufacturers





## **Working with established cross industry partners, enable new business models for mutual growth**

Model: Leverage appliance API to grow partner business → Return % value to consumers & appliance mfgs.

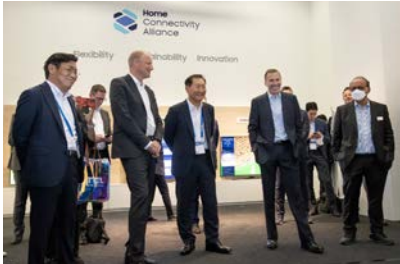
### **HCA focus for 2023-2024:**

1. Industries with direct relations/ proximity (energy, insurance, security)
2. Mature industry but room for growth w appliance data.
3. Domains where consumers benefit.

### **Areas of interest for partners:**

1. Growth opportunity w appliance API.
2. Whole home coverage & long life.
3. Development efficiency (one API for all)
4. Global brands consumers trust.
5. Scale – includes legacy & new devices.

## Fast paced and focused on adoption, HCA completes spec in 12 months & Adoption in 20 months.

<div></div> <div></div> <div><ul style="list-style-type: none"><li>▪ Launch HCA with founding members.</li><li>▪ Define alliance goals &amp; timeline.</li></ul></div>	<div></div> <div></div> <div><ul style="list-style-type: none"><li>▪ Private meetings in Berlin with industry, CEO &amp; government.</li><li>▪ Sustainability becomes #1 goal for HCA.</li></ul></div>	<div></div> <div></div> <div><ul style="list-style-type: none"><li>▪ HCA spec 1.0 launched.</li><li>▪ Energy mgmt. goals defined.</li><li>▪ Spec adoption in progress.</li></ul></div>	<div></div> <div></div> <div><ul style="list-style-type: none"><li>▪ Spec adoption announced (19 months).</li><li>▪ Global adoption in US, EU and Asia in 9 product categories.</li></ul></div>	<div></div> <div></div> <div><ul style="list-style-type: none"><li>▪ Energy spec release planned.</li><li>▪ Pilot for new biz models in US &amp; EU.</li><li>▪ Launch new services with partners.</li></ul></div>
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# Current Members

**AEG**

BUILT TO A HIGHER STANDARD  
*American Standard*  
HEATING & AIR CONDITIONING

**Arçelik**

**beko**

 **Electrolux**

**FRIGIDAIRE**

 **GE APPLIANCES**  
a Haier company

**GRUNDIG**

**Haier**

**Leader**

 **LG**

 **resideo**

**SAMSUNG**

 **TRANE**  
It's Hard To Stop A Trane.

**VESTEL**

## HCA Interoperability Scope:

- **HCA connectivity:** Focused on Cloud to Cloud (C2C). Other protocols are in consideration for Phase 2.
- **15 product category:** (1) Air Purifier, (2) Cooktop, (3) Dish Washer, (4) Dryer, (5) Freezer, (6) HVAC, (7) Humidifier/Dehumidifier, (8) Ice Maker, (9) Oven, (10) Range Hood, (11) Refrigerator, (12) Robot Cleaner, (13) Television, (14) Washer, (15) Water Heater
- **Phase 2 products:** Energy Storage Systems, EV Chargers, Small appliances, others.

**Website :** <https://homeconnectivityalliance.org/>

**Technical Specification :** <https://homeconnectivityalliance.org/technical-info/>

**Contact :** [admin@members.homeconnectivityalliance.org](mailto:admin@members.homeconnectivityalliance.org)

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We look forward to seeing you in 2024