



Hi-Kumo[®]

- Smart home solution
- Wireless device adaptors
- Home automation box
- Hi-Kumo[®] mobile app

The Project

Johnson Controls-Hitachi Air Conditioning (JCH) is a global air conditioning manufacturer, established in October 2015 as a joint venture of Johnson Controls Inc. and Hitachi Appliances, Inc. With 14,000 employees in 9 countries, JCH create quality products, services and solutions for residential and commercial buildings throughout the world. They exceed customer expectations with the most diverse range of HVAC products in the world – from ductless solutions to chillers to HVAC room air conditioning systems, fueled by industry-leading technology and innovation.

In 2013, JCH Europe leveraged Overkiz technology to transform its residential product line into connected devices, and provide a smart home solution to its customers.

The Challenge

- Control remotely air/air and air/water heat pumps via a mobile app
- Provide adaptors for each device to enable wireless communication
- Provide a smart home box
- Enable remote control of over 100 devices, in addition to Hitachi products, via compatibility with the Somfy Tahoma smart home solution



- Collect residential energy consumption data

HITACHI

COMPANY PROFILE

MANUFACTURER

HEAT PUMPS & AIR CONDITIONERS

JOHNSON
CONTROLS-HITACHI
3.8 B€ REVENUE
IN 2016

The Overkiz Solution

Overkiz provided an end-to-end IoT platform including smart controllers, a cloud, and applications, to help Hitachi deploy and manage a powerful home automation solution.

White-label Hardware

- Wireless adaptors for each device
- Smart home box connected to the Overkiz cloud
- Wi-Fi communication between air/air devices and the customer router
- Private communication protocol between all devices and the Hi-Box
- Connectivity with Somfy's Tahoma box for full product integration



IoT Cloud

- Embedded software for wireless communication
- Over-the-Air (OTA) upgrade management
- End-to-end security management
- Somfy environment integration



Applications

- APIs to easily create the Hi-Kumo® mobile app
- APIs for cloud-to-cloud management
- Data capture via APIs



TESTIMONIAL

We are delighted to be launching this Smart Home innovation.

By connecting Hitachi's heating and air conditioning products to Hi-Kumo®, homeowners can easily manage their heating and cooling needs, and balance comfort and energy savings at the touch of a button.

In today's highly connected world, it is important our products are engineered to meet the needs of our customers.

Overkiz has proven to be a reliable and innovative partner, who has helped us to achieve our targets and better meet our customers' needs.

Rodolphe Jacson
GM Product Marketing Division

BENEFITS

BtoB

- Develop a Hitachi's connected solution: Hi-Kumo®
- Deploy connected devices and services
- Partnership with SOMFY to enable third-party product integration
- Plug & play solution
- Enlarge Hitachi solutions for better customer satisfaction

End-User

- Control devices anytime, anywhere via the Hi-Kumo® app
- Smart functions: weekly timer, holiday mode, smart tip
- Improve home comfort and energy savings

Overkiz

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