

FUJITSU

CASE STUDY

AIRSTAGE™

**Holiday Inn Express
Kailua-Kona, Island of Hawaii**

Project Name

Holiday Inn Express

Location

Kailua-Kona, HI

Completion Date

November 14, 2014

The Team**Owner**

InterContinental Hotels
Groups

General Contractor

Castle Construction Hawaii

HVAC Contractor

Offshore Air Conditioning

HVAC Distributor

Admor HVAC

Holiday Inn Express and Suites

The new Holiday Inn Express and Suites Kailua-Kona is located just steps from the Pacific Ocean and is in the midst of the shopping and restaurant area in Kona. The hotel offers 75 guest suites where guests will enjoy access to Big Island activities as well as a rich cultural experience. The Kailua-Kona hotel is located in Historic Kailua Village, near Honokohau Marina, Kailua-Kona Wharf, Hulihee Palace and Keauhou Shopping Center. It is conveniently located at the beginning of the Iron Man Race which happens each October.

Design Challenge

With Hawaii having some of the highest energy costs in the United States, electricity use was a concern that the contractor was well aware of. As well, being a reputable hotel and having concern for the guests, a quiet operating system was desired by the owner. Corporate management also desired to have system control from the mainland United States.

Why Fujitsu Was Chosen

The original design for the project incorporated PTAC units in each guest room. The contractor took it upon himself to educate the building owner on VRF and the savings associated with such a

system. He presented energy savings and simple payback when using Fujitsu VRF as opposed to PTAC units. The savings showed that the owner would have a far quicker return on investment due to the extremely high energy costs on the Big Island of Hawaii. As well, Fujitsu air handlers have quieter operation than a typical PTAC unit and the system has the capability of remote management, a plus for Holiday Inn Corporate.

The Results

The system was installed quickly and easily by the contractor. As well, the owner/management can operate the VRF system from the front desk, allowing rooms to be put into setback when vacant.

Customer Testimonial

General Contractor Brian Ball, Castle Construction Hawaii: Hotel rooms often have a noisy air conditioning unit installed, but Ball said this Holiday Inn Express will be different, with a “state of the art” air conditioning unit on the hotel’s roof. Each room then has an air unit in the suite that is much quieter.

Source: <http://westhawaii.com/news/local-features/holiday-inn-express-set-open-fall>
by Erin Miller, West Hawaii Today



AIRSTAGE VRF EQUIPMENT INSTALLED

(2) AOUA264RLBVG V-II Series Outdoor Units
(1) AOUA288RLBVG V-II Series Outdoor Units
(48) ARUL7RLAV Slim Compact Duct
(4) ASUA7RLAV Compact Wall Mounted
(25) ARUL9RLAV Slim Compact Duct
(2) ARUL12RLAV Slim Compact Duct
(8) AUUA12RLAV Compact Cassette
(1) ARUM24RLAV Medium Static Pressure Duct
(1) AUUA24RLAV Compact Cassette
(1) ARUH48RLAV High Static Pressure
(1) UTY-APGX System Controller
(1) UTY-VGGXZ1 Network Converter
(1) UTY-VSGX Signal Amplifier
(83) UTY-RHKU Simple Remote
(9) UTG-CCGV Compact Cassette Grille
(3) UTR-BP090X Indoor Separation Tube
(5) UTR-BP180X Indoor Separation Tube
(4) UTR-BP567X Indoor Separation Tube
(6) UTR-CP567X Outdoor Separation Tube
(6) UTR-H0906L Header - 6 connections
(8) UTR-H0908L Header - 8 connections



Slim Duct unit in soffit leading to the guest room.



Simple Remote with a key card switch.



Outdoor units on the roof.



• ISO9001
• ISO14001

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