



Success Case Study

Belize Telemedia Limited, BTL (JULY 2019)

Daikin implements the world's most efficient technology to realize energy savings and space savings in Belize.

AT A GLANCE

BTL (Belize Telemedia Limited) is a telecommunications company in Belize. Established in 1972 as the Telecommunications Authority, it rapidly became Belize's leading telecommunication provider in the 1980s and 1990s.



Location

Belize City, Belize

Facility size

12,500 ft²

Project Date

December 15th, 2018

Commercial Ally

FT Williams & Associates

Issue

Very large package units that were extremely loud and created vibration in the whole building, consumed a lot of energy and took up lots of space. This created a demand for "energy saving" due to high electricity cost.

Solution

Daikin showed VRV advantages in a large-scale building. This was an energy and space-saving solution. Precise individual control and inverter technology minimizes energy consumption to deliver energy savings. Featuring compact size and small footprint, VRV units enable space-saving and easy installation. This Daikin solution saved space for the future construction of new offices where the old units were, saved energy and eliminated loud noises.

The Challenge

Located in the largest city in Belize, Belize Telemedia Limited is an important telecommunications provider in the Caribbean country, offering home, corporate and mobile solutions.



Before the implementation of Daikin's VRV solution.

Part of their plan was to achieve sustainability and optimize the building's air conditioning systems. For this reason, it was necessary to present a solution that would not only decrease electricity usage and charges, but would also create space for a new office area while cooling the floor. The building had

important and expensive equipment that required air conditioning. Part of the VRV equipment is air-conditioning several servers that provide internet and telephone communications to the entire country. These servers are very costly and extremely important for the company and if they were to get damaged, this would be detrimental to their business.

The Solution

Daikin showed VRV advantages in large-scale buildings and provided a solution delivering low energy consumption, but with comfort and reliability.

Fitting in all the equipment needed while losing as little usable space as possible is always a challenge. Quiet and compact units enable maximum flexibility to fit the technical equipment indoors or outdoors. The choice for quality and support, gives the peace of

mind to focus on the day-to day business operations at BTL. For this reason, Daikin offered reliable VRV technology with infinite renewable energy, invisible from the outside and quiet in operation. This solution also provided the benefit of having the lowest running cost per month compared to other technologies.

In addition, Daikin offered the intelligent Touch Manager (ITM), through which the client can control all VRV products simply and conveniently. This technology gives central control of the entire HVAC-R solution, it is easy to set schedules, has remote access, and includes BMS functions integrated such as alarm inputs. Not to mention, the latest technology when it comes to allowing the user to control the air conditioning system right from their mobile phones.

The process of installation for this project began in December 2018. In just a short amount of time, Belize Telemedia Limited had a new and more efficient air conditioning system.

The Results

Belize Telemedia Limited's employees and guests now have a guaranteed comfort and space derived from the reliability and quiet operations of the Daikin solution provided in this project. As a result of this decision, the entity has reported to have seen a notable decrease in electricity charges and an increase in energy savings due to the changing out of older air conditioners.

A Daikin total solution!



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