

Case Study - 5 Ton Split Unit

Cerenzia Foods - Rancho Cucamonga, CA



9%

Annual Energy Savings



5,100

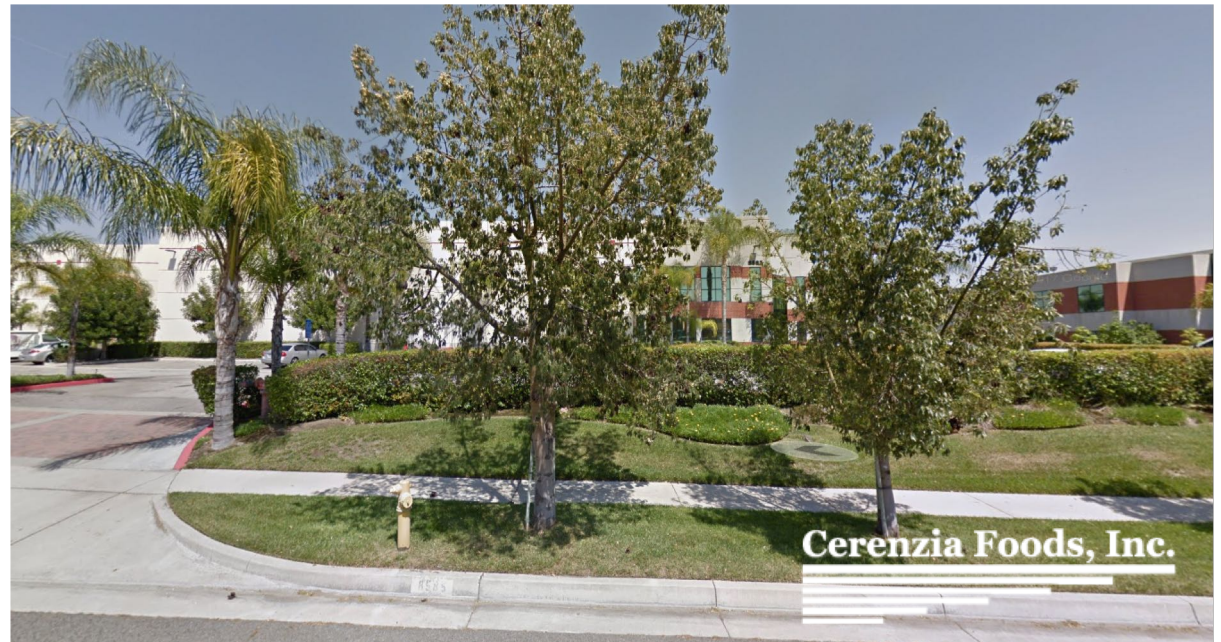
Annual kWh Savings



\$900

Annual \$ Savings

See reverse side for notes on savings calculations



Like many flex or light industrial buildings with office components, Cerenzia Foods had there (3) 5 ton, fixed orifice split or packaged units on their roof. These units are easy to convert and extremely common throughout the US.

Bluon was able to reduce energy consumption by 9%, while also increasing cooling capacity during the hottest ambient conditions. No other replacement could accomplish either of these outcomes.



"Bluon is at the forefront of tackling energy efficiency in our existing heating and air conditioning infrastructure."

- Leonardo DiCaprio, Bluon Investor & Board Advisor

EQUIPMENT

HVAC Unit

Trane Split 5 Ton HVAC with Fixed Metering Device

Model

WCC060F400B6

TEST DATES

R-22

Data collected 9/18/2015 to 10/6/2015

Bluon TdX 20 (R-458A)

Data collected 10/8/2015 to 10/26/2015

TEST METHODOLOGY

Data collected over two similar 19 day periods on the same system, before and after conversion. Averages calculated with system running.

NOTES

Data was sorted to compare to virtually identical outside air temperatures. Avg. power consumption calculated with minute by minute data, via data loggers - does not include the energy consumed by external fans/blowers. Savings don't include expense related to the rising cost of R-22.

	Bluon TdX 20 (R-458A)	R-22
Avg. Outside Air Temp (F°)	95 - 100	95 - 100
Avg. Suction Line (psig)	63.8	76.4
Avg. Liquid Line (psig)	262.7	284.1
Avg. Suction Line Temp (F°)	66.5	61.5
Avg. Liquid Line Temp (F°)	110.1	109.5
Avg. Return Air Temp (F°)	80.0	78.4
Avg. Supply Air Temp (F°)	59.0	57.0
Avg. Delta T (F°)	21.0	21.4
Avg. Power Sum (kw)	6.5	7.2



Bluon TdX 20 is only R-22 replacement solution that upgrades your equipment, saving you money every month.

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