

HOSPITALITY

LG Air Conditioning Systems

LG Technology The Guest Experience Will Never Be The Same

VRF TECHNOLOGY
BUILDING AESTHETICS
EASY TO MANAGE



Multi V

LG Multi V commercial air conditioning's new modular design provides the ultimate guest and hospitality building owner experience.



IMAGINE less or no duct work, lower utility bills... LG Technology.

Multi V Benefits

- VRF TECHNOLOGY
- BUILDING AESTHETICS
- EASY TO MANAGE

Choose Multi V and you choose to substantially lower your building's life cycle cost and potentially increasing resale value. Engineered to minimize operating costs, the Multi V is the commercial air conditioning system of choice for many types of sustainable buildings with cooling and heating requirements.

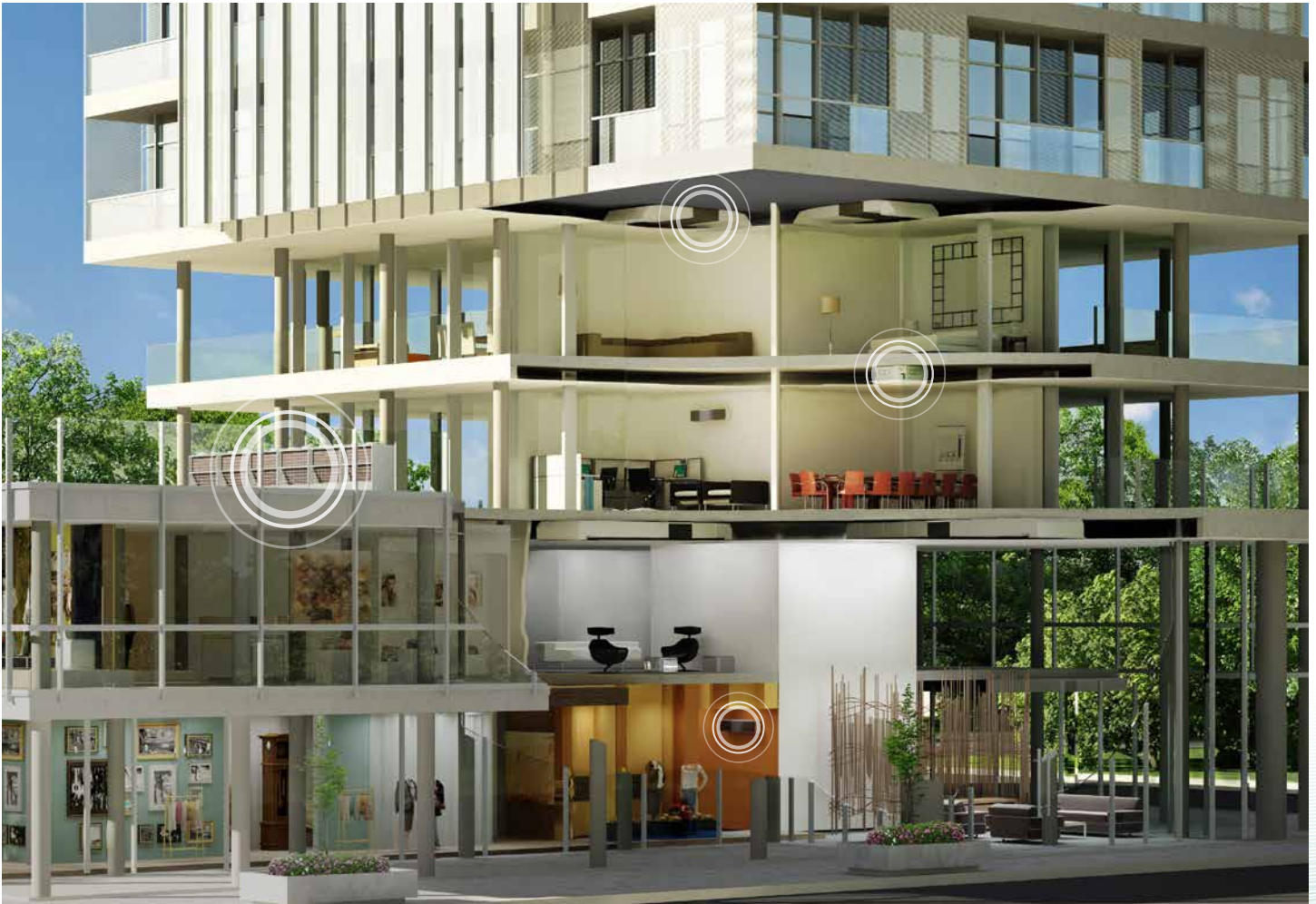
LG - The right choice for the LEED® Generation. Multi V variable refrigerant flow air conditioning systems were developed specifically for sustainable commercial structures. Using R410A refrigerant and inverter driven compressors and fans, Multi V consumes power to get the job done and eliminates the need for chilled or hot water heat.

Modular design improves system redundancy, room comfort and is ideal for hotel retro-fits.



HOSPITALITY

LG Multi V New VRF Technology



Indoor units come in a variety of design styles, including wall, floor and ceiling surface mount, ceiling flush and recessed concealed mount to blend in with its surrounding design, seamlessly.

Additional Benefits:

- Extremely quiet for guests
- Aesthetically integrable
- Modular design improves redundancy
- Simplifies routine maintenance and cuts annual maintenance costs

Multi V

The Best Solution for Hospitality

ENERGY EFFICIENT

Operational Cost

This innovative VRF system technology delivers exceptional comfort while delivering value, to buildings with lower energy consumption.

MULTI V III

System Efficiency

An energy efficient system from LG Multi V III allows you to use only what you need, when you need it.

BUILDING MODELING SOFTWARE

EnergyPro™ V.5 building energy simulation software provided by EnergySoft®, using the following accreditations:

- Uses DOE-2.1E simulation engine from U.S. Department of Energy
- Approved by the California Energy Commission
- Accepted by USGBC for use with LEED® certification
- Incorporates ASHRAE based load calculations

DESIGN PARAMETERS

The utility rates used for the energy analysis were assigned based on regional data acquired from the U.S. DOE

The building energy analysis was performed using ASHRAE design temperatures for Atlanta, GA

The city design conditions were used to model the performance of six different types of HVAC systems:

- LG Multi V III, Water Source Heat Pumps (WSHP), Duct Free Split (DFS) Systems, Constant Volume Rooftop Package Units and 4-pipe chilled water/hot water (CW/HW) central plants: one using air cooled chillers, one using water cooled chillers.

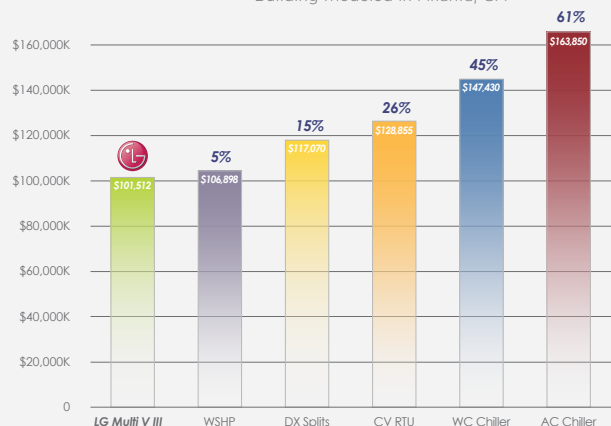
BUILDING DESCRIPTION

- Total Area (Sq. Ft): 133,600
- Total levels: 6
- Basement level walk-out
- Zones: 145
- Infiltration (CFM): 0

Building Type: office

Multi-story Building Energy Analysis

HVAC Systems Annual Operating Cost
(\$0.0902/kWh, \$1.358/Therm)
Building modeled in Atlanta, GA



Inverter



LIFE'S GOOD...WHEN IT'S GREEN.

Potential energy savings may vary depending on your personal system settings, equipment maintenance, local climate, actual construction and installation of equipment, and duct system



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