

# Welcome To A Better Solution



With Mitsubishi Electric Heating and Cooling, you'll always get premium technology for a successful project, because we deliver a total building comfort solution regardless of the application – new construction or retrofit. Our 2-pipe VRF system requires a smaller building footprint, reduced central plan infrastructure and less space for piping. In addition, it adopts a decentralized approach where system configurations are flexible and can be adapted to any application scenario. **No matter what your needs or project requirements may be, we're ready with the solution.**

## The Mitsubishi Electric Heating And Cooling Advantage

- 2-pipe Heat Pump & Heat Recovery systems require less floor, roof or ceiling space, simplifying installation and reducing construction time
- Comprehensive occupant system control infrastructure which can be adapted to the building needs
- Low sound fan and compressor technology applied through the system
- Industry leading efficiency at part-load conditions making an ideal choice for high performance buildings



# We Support Your Vision



Unlike conventional HVAC systems that present design challenges with their bulky outdoor units and trunks of ductwork, Mitsubishi Electric's Heating and Cooling systems protect the integrity of your design, so you can design based on your vision, not your HVAC system constraints.

## Design With Peace of Mind

Our HVAC systems feature low noise levels and a smaller footprint, giving you the room to see your design come to life. And with remote monitoring and management, should problems arise, they'll be identified quickly and resolved efficiently.

- Quiet operation
- Space saving
- Easy to use controls system
- Highly reliable
- Optimum space comfort levels any time of year

## Easy To Design Systems

With design-friendly software like Design Tool, that identifies application errors while the system is being designed, you'll spend less time laying out your HVAC system, and more time maximizing the design benefits for occupants.

- Design-friendly systems
- Design-friendly software to minimize errors during design process

## Design Flexibility

You'll have ultimate control over your design with flexible indoor and outdoor unit placement, including 15 indoor unit styles.

- Flexibility in component placement
- Software to minimize impact of design changes
- Variety of different components available to use



# Modello

*Burnaby, BC*

The MODELLO stands tall as a beacon for luxury living in Burnaby's Central Park Community in British Columbia. This stunning 37-storey residential building is equipped with the Mitsubishi Electric City Multi VRF system to provide a cutting-edge combination of efficient heating and cooling, energy recovery, and ventilation for its 1, 2, and 3 bedroom suites. Powered by a state-of-the-art geothermal loop, residents enjoy the perfect temperature all year round and the benefits of individual thermal metering for utility cost control.

**“We saw an opportunity to create something that was very elegant, and had the quality and excitement of a five-star hotel.”**

*– Chris Dikeakos, founding and Managing Principal  
at Chris Dikeakos Architects, Inc.*



## Design Without Compromise

Without the restraints of conventional HVAC systems that present design challenges with their bulky outdoor units and trunks of ductwork, the elegant and dynamic vision for Modello was fully realized. Modello's bedrooms are bright and generously sized, with a streamlined design that makes the most of the space, while also delivering state-of-the-art heating, cooling, and ventilation.



**The building was designed from the core out. By doing so, we have created floor plans with no wasted space. Every square foot is being used to the max.”**

*– Ben Amzaleg of Magnum Projects*

### City Multi Geothermal Water-source VRF Heat Recovery System

List of Equipment:

- 28 Energy Recovery Ventilators (LGH-F-RX5-E1)
- 42 VRF Systems
- 41 Water-source Condensing Units with Heat Recovery (PQRY-P-SKMU-A)
- 41 Branch Controllers (CMB-P-NU-GA)
- 316 Fan Coil Units (PEFY-P-NMAU-E3)
- 460 Wall Mounted Controllers (PARU01MEDU-J)
- 3 AG-150A Central Controllers with Expansion Modules

### Geothermal/VRF Heating and Cooling

State-of-the-art geothermal heating and cooling provides the perfect temperature all year round with individual thermal metering of each home's heating and cooling for utility cost control.

- 125 tons, 128 boreholes, 225 ft. deep, 15 ft. ctrs.
- 28,800 ft. total geo-exchange pipe length
- Geotility completed the drilling and tie-ins prior to the construction start of the tower
- 8 boreholes per circuit, 8 circuits per vault, 2 vaults