Brickell City Centre
Case Study - Miami, Florida

OVERVIEW
Brickell City Centre is a US$1.05 billion (909,000,000 Euro) mixed-use development in Miami developed by Swire Properties Inc. (US and Hong Kong). Strategically located in the Brickell financial district, the 5.4 million square-foot (501,000 sq m) development spans 9.1 acres (3.6 Hectares), includes underground garage, two mid-rise office buildings, two residential towers, a hotel with residences, retail and entertainment space. Construction began in June 2012, and is expected to be completed late 2016. The project is expected to create approximately 2,500 jobs while under construction and approximately 3,700 after completion.

HEATING AND COOLING BY BOSCH
Featuring twin residential towers housing 820 condominium units, and a luxury hotel, the developers for Brickell City Centre knew that they needed a long-term, high-efficiency HVAC solution that they could integrate into the design. The developer understood that an initial investment in capital costs could save a significant amount of money in future operating costs.

Bosch Thermotechnology Corp. worked with Alex Valdes of Jascko Corp., a manufacturer’s representative in South Florida, and Thermal Concepts, Inc. the mechanical contractor, to get the right combination of price, efficiency and footprint.
CUSTOMIZED WATER SOURCE HEAT PUMPS

The units in this project were equipped with single-point electric heat and were seamlessly integrated into the structure’s Building Management System, thereby providing operating feedback and easier serviceability. The heat pumps are supplied with water by a BAC cooling tower. Bosch was selected because of the positive relationship and good results achieved in past projects, the heat pumps were priced right and fit the reduced footprint in the residences. With Bosch FHP water source heat pump units providing smart comfort, efficient and quiet operation, the future Brickell City Centre residents can live in ultimate comfort with lower energy cost.

BOSCH APPLIANCES FEATURED IN RESIDENCES

Residences feature premium Bosch appliance package including 36 in. integrated panel refrigerator & freezer, 300 series microwave, integrated panel, extra-quiet dishwasher, built-in convection oven and ceramic glass stovetop.