



Case Study One Bangkok

Carrier's Commitment to Technical Advancement: Cutting-Edge HVAC Solutions for One Bangkok



Photo: One Bangkok



Background

Carrier proudly embraced the opportunity to collaborate with One Bangkok, Thailand's largest integrated district, in realizing its vision for being smart and sustainable development. The partnership with One Bangkok is a testament to Carrier's unwavering commitment to delivering high-quality, innovative Airside solutions with advanced filters that cater to the project's unique aspirations.



Carrier is proud to deliver advanced Airside solutions, including Air Handling Units (AHU) and Fan Coil Units (FCU) with advanced filtrations to One Bangkok in varied buildings e.g. One Bangkok Tower 2, Fraser Suites Bangkok, Andaz One Bangkok, The Ritz-Carlton, Bangkok, prioritizing the well-being of the building occupants.

Carrier's Offerings to One Bangkok

- **Enhanced Air Quality** - To ensure superior indoor air quality for One Bangkok's hotel and premium office tower, Carrier provided a mix of Air Handling Units (AHU) and Fan Coil Units (FCU) integrated with MERV 8 filters, Blue Fin coil coating, and Ionizer. These high-grade equipment are specifically designed to capture a wide range of airborne contaminants, enhancing occupant health and comfort in line with One Bangkok's wellness objectives.
- **Precision Control with BMS** – At Carrier, our advanced systems are equipped with a MODBUS BMS interface, seamlessly integrating into the project's smart building infrastructure. This ensures efficient and centralized control, providing real-time monitoring and optimization capabilities.



Photo: Fraser Suites Bangkok & One Bangkok Tower 2

Our Offerings:

AHU & FCU with Advanced Filtration Technology



Carrier Chilled Water Fan Coil
Ceiling Concealed 42CLS-W (MERV8 option)

- **Compact Design for Seamless Integration** - Carrier's solutions feature compact units that align with the specific requirements of the building. This adaptability allowed for effortless integration without compromising on performance or aesthetics.
- **High Efficiency HVAC System** - Our high-efficiency HVAC models feature advanced BLDC motors with four-speed settings and Blue Fin technology. The epoxy and hydrophilic coating effectively prevent dirt and corrosion, significantly enhancing the efficiency of heat transfer.
- **AHRI Certification for Global Standards** - Carrier airside solutions installed in the project meet the stringent requirements of AHRI certification, ensuring reliability, efficiency, and compliance with global HVAC standards.



Photo: The Ritz Carlton, Bangkok

- **Carrier's Advancement Supports One Bangkok** - Carrier's energy-efficient HVAC solutions align with One Bangkok's goal of achieving LEED - ND Platinum certification, the highest standard for green building sustainability. These solutions contribute to meeting one of the LEED - ND criteria, supporting One Bangkok's commitment to environmental responsibility.

How are our solutions helping One Bangkok

The integration of energy-efficient systems of AHU and FCU with advanced filtrations ensures high performance and air quality across this large-scale development. For One Bangkok, delivering optimal comfort, sustainability, and high-grade equipment performance is critical. For Carrier, it's about achieving this with maximum energy efficiency and minimal environmental impact—supporting LEED - ND Platinum certification.



Carrier Chilled Water Fan Coil
42VSGS, 42VFS, 40VNS

A Partnership for the Future

Carrier's role in the One Bangkok project highlights our commitment to supporting developments in their pursuit of operational excellence and sustainability.

"Together with One Bangkok, we are shaping a future where sustainability meets holistic well-being, leveraging innovative practices and technologies to ensure a resilient and livable environment."



Victor Yu
Managing Director
Carrier Thailand



Photo: Andaz One Bangkok

Project Summary

LOCATION:	Bangkok, Thailand	EQUIPMENT:	Airside, Chilled Water Fan Coil
PROJECT TYPE:	New Construction	OPTION:	MERV8 Filter & Ionizer
PROJECT SIZE:	81,000 sq.m.	INSTALLATION DATE:	2024
FACILITY USAGE:	Mixed-use		



For more details visit www.carrier.com/th