

CASE STUDY

Project Details

LOCATION

Macau, China

BUILDING TYPE

Hospitality / Casino

SIZE

3 buildings
30,000,000 ft²

INTEGRATION

- SkySpark®
- Honeywell EBI

EQUIPMENT

- Primary Air Units
- Air Handling Units
- Terminal units

VALUE DELIVERED

- Large-scale custom analytics and solutions within IT constraints
- Custom reports direct O&M staff to correct functional test failures
- Continuously improved analytics field verified by facility staff

Macau Casinos



We have deployed SkySpark® in approximately 30 million square feet of casinos in Macau, including two of the largest buildings in the world!

BIG BUILDINGS, BIG DATA

Connecting the Macau casinos to SkySpark® in the cloud was not an option, so BuildingFit created a custom, on-premise functional diagnostic tool (FDT).

- SkySpark® is deployed on a stand-alone laptop that is connected to the Honeywell Building Automation System (BAS).
- Data is pulled from the BAS through a custom connector (also powered by BuildingFit).
- In addition to our standard analytics package, BuildingFit developed custom analytics for each facility, specifically designed to test their unique sequences of operations.
- A report is generated that identifies Sparks and KPIs. Operators review the report and create work orders to fix issues.

Using the FDT streamlines operation and maintenance for casino operators. It saves countless hours of facility maintenance time, allowing them to optimize system operations to save energy, money, and improve occupant comfort.