

Aeroporti di Roma, Italy

Digital environment drives sustainable results for airport



A leader in sustainability, ADR is the first airport in the world to be issued green investment bonds (€500M) to support their sustainable infrastructure. World Tourism Organization (UNWTO) named ADR the World's Most Sustainable Airport in 2022.

In 2013, ADR set about achieving their decarbonization goals with the help of Johnson Controls Metasys building management system to integrate and optimize disparate systems and equipment into one central open platform.

Our ongoing partnership with the Rome airport goes beyond the typical transactional supplier relationship to advise their energy management goals and ROI. The BMS connects 500 buildings and helps provide significant energy savings.

Moreover, thanks to the connection of the BMS with the flight control system, it is possible to tie temperature and humidity controls directly to the live arrival and departure of aircraft. The responsive environment saves 30% energy consumption.

Renewables, such as two 60 megawatt solar farms, contribute to the airport's energy reduction.

ADR has set a 2030 net zero commitment.

Improved Efficiency

As a result of their efforts, ADR has:

- Achieved carbon neutrality for FCO in 2014, for CIA in 2018
- Achieved 52% reduction in energy consumption
- Achieved operational savings of €32 million euro since 2012

Target Achievement

First airport in Europe to achieve:

- ISO 50001:2018 (energy management) certification
- 4+ Airport Carbon Accreditation in 2021 (highest level)