



Luis Muñoz Marín International Airport

Energy Connect Day

INTRODUCTION

Aerostar Airport Holdings, LLC is a privately held Puerto Rican limited liability company that through a public private partnership operates and manages the Luis Muñoz Marín International Airport (SJU) under a lease agreement with Puerto Rico Ports Authority. The company is a joint venture between AviAlliance and Grupo Aeroportuario del Sureste (ASUR), which are experienced airport management firms based in Germany and Mexico. The SJU is the first successful airport to go through the Airport Investment Partnership Program and only private operator to hold a 139 certificate.



Aerostar projects an investment of nearly \$1.4 billion in capital improvements over the term of the lease agreement.

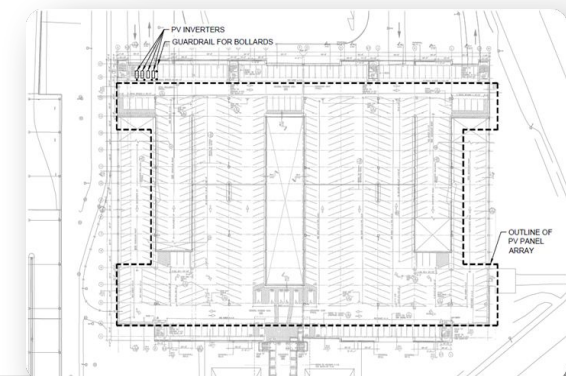
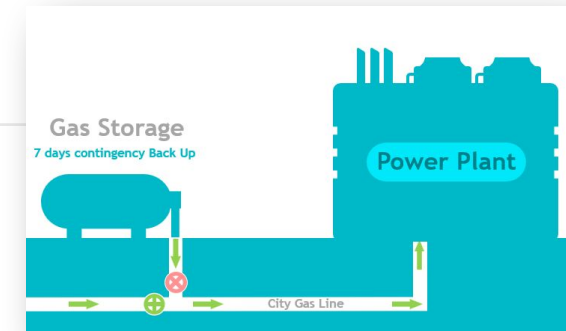
HOW TO MAINTAIN AN ONGOING OPERATION IN THE FACE OF NATURAL DISASTERS AND AN UNRELIABLE POWER SOURCE

- > Puerto Rico is subject to the constant threat of natural disasters, such as hurricanes and earthquakes.
- > Puerto Rico's current electrical grid faces many operational challenges and still continues in a critical state. The island's electrical infrastructure is still vulnerable to extreme weather events and power remains unreliable.
- > Following Hurricane María, the SJU was forced to operate solely on backup generator power for 31 days, and continues to experience power outages, instability, and fluctuations to this day.
- > The SJU as a critical infrastructure asset is instrumental to recovery efforts as a point of entry for supplies, workers and resources. The airport also provides vital assistance to local and federal agencies to coordinate relief activity.



ASSESSED SOLUTION

- > To develop, through the Puerto Rico Ports Authority, a Power Generation Plant at the SJU under the FEMA Hazard Mitigation Grant Program.
 - > 12MW of on-site generation capacity, 210,000 gallons of liquid propane storage for backup fuel.
 - > Improves the capacity, reliability and power supply during outages, while decreasing maintenance costs in backup systems.
 - > Requires collaboration with the Puerto Rico Ports Authority, Puerto Rico General Services Administration, COR3 and the Federal Emergency Management Agency (FEMA).
 - > Aerostar, as the SJU operator, is the Project and Program Manager for the development.
 - > The project was originally envisioned as a Co-Gen Plant, but it was infeasible due to the lack of available land area in close proximity to the terminals.
- > Aerostar will also install solar panels at the parking deck to complement the generation plant and provide an additional 3MW of reliable and clean energy to the SJU.
 - > Aerostar is the owner of the project which is currently in its design phase.



NEW GENERATION PROJECTS

> Benefits:

- > Increase reliability and resiliency
- > Better passenger experience
- > Operational sustainability
- > Redundancy
- > Less dependency on PR's electrical grid
- > Less polluted and cleaner energy



> Consequences of not implementing:

- > No resiliency and/or reliability
- > Unstable power
- > Complete dependency on PR's electrical power grid
- > Polluted energy



“To achieve Puerto Rico’s desired future, a key issue to address in 12 months is...”

The agility to coordinate the procurement of equipment and services in order to achieve resilient and sustainable goals for the betterment of our infrastructure.

Thank You!



AEROSTAR
AIRPORT HOLDINGS LLC