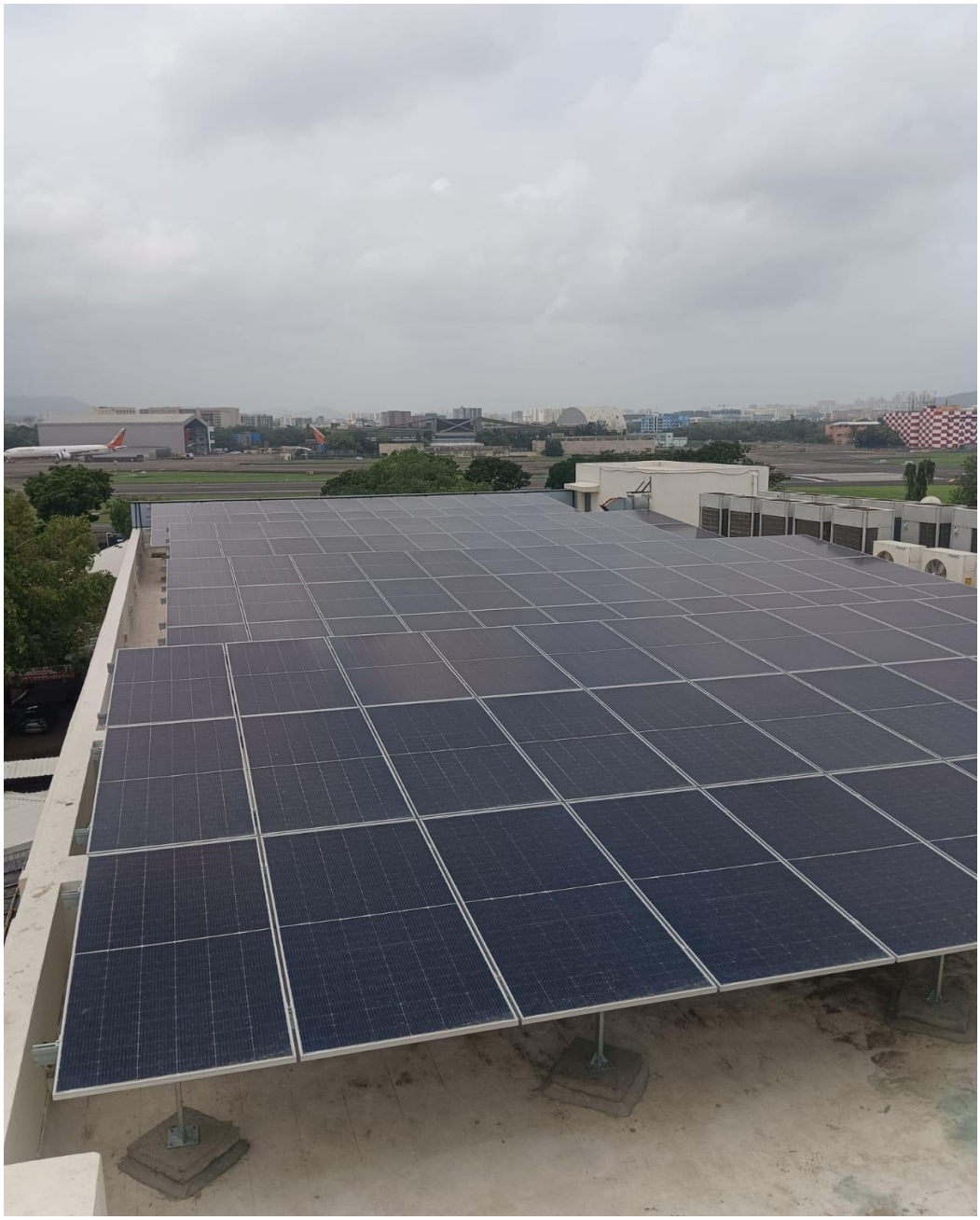
BLUEDART AVIATION

CUSTOMER BACKGROUND

Bluedart Aviation is South Asia's premier aviation logistics company, operating a dedicated fleet of aircraft for time-definite delivery of shipments. With energy-intensive ground operations, the company sought to reduce its significant electricity expenditure and align with its parent company DHL's commitment to sustainability and reduced carbon emissions.

PROJECT SCOPE

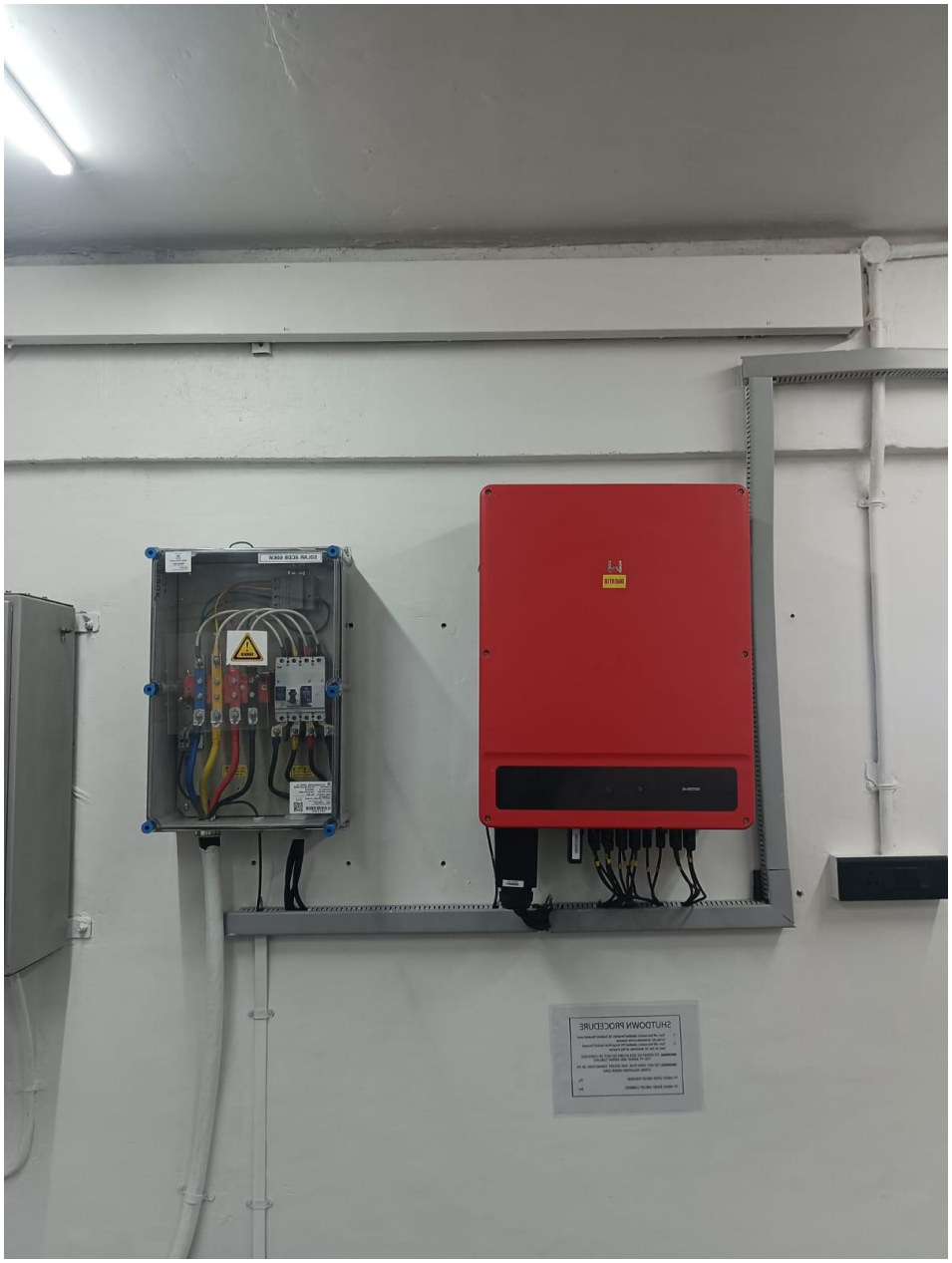
The project involved installing a rooftop solar power plant on one of Bluedart Aviation's key operational facilities. The organization was incurring high electricity bills to power its critical ground infrastructure and aimed to transition to renewable energy to lower these operational costs and reduce its environmental impact.



SOLUTION PROPOSAL

Bluedart Aviation partnered with Greenlance Energy, adopting the OPEX model (Operational Expenditure) to deploy a solar energy solution with zero upfront capital investment from the client.

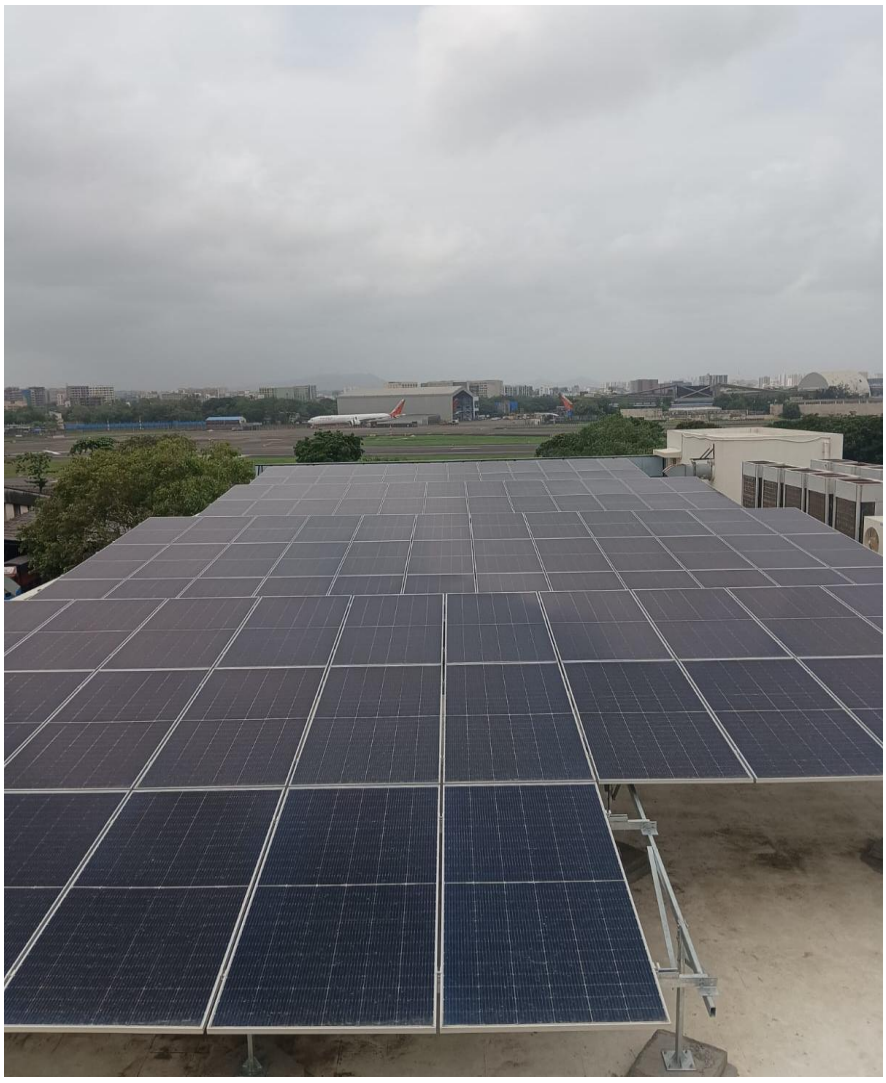
- **Proposal:** 80 KWp Rooftop Solar Project.
- **Model:** OPEX / RESCO (Renewable Energy Service Company).
- **Location:** A key Bluedart Aviation operational facility.
- **Time frame:** 90-110 days from PPA signing to commissioning.
- **Material Source:** The project utilizes high-efficiency 590 Wp Bi-Facial Topcon Panels, designed to maximize energy generation by capturing sunlight from both sides of the panel.
- **Bill of Materials Warranty:** 25-year performance warranty.



EXECUTION

The solar plant is a grid connected rooftop solar plant with Netmetering done with the DISCOM – TATA POWER in this case, thus ensuring immediate savings on their grid electricity bills for Blue Dart Aviation.

- **System Capacity:** 80 KWp.
- **Energy Generation:** The plant is projected to generate approximately 1,10,000 solar electricity units (kWh) annually.
- **Monitoring:** The system includes state-of-the-art monitoring via the Greenlance Energy NOC (Network Operations Center) for optimum Energy Asset Management and proactive maintenance.



BENEFITS

- By adopting the OPEX model, Bluedart Aviation cuts its per-unit (kWh) electricity cost by 50% on the Solar Electricity Units generated compared to the existing commercial grid tariff.
- The system generates over 300 solar electricity units (KWh) daily on average, lowering the facility's dependence on conventional thermal power.

- The implementation will reduce the company's carbon footprint by an estimated **90 tonnes** annually, which is the environmental equivalent of planting over **1,000 trees**.
- The project utilizes previously idle rooftop space to generate clean energy, turning a non-productive asset into a valuable one.
- By taking a step towards renewable energy, Bluedart Aviation reinforces its commitment to sustainable logistics practices.