



**PROJECT:** AIPORT RUNWAY UPGRADE FACILITIES  
**LOCATION:** PIARCO, TRINIDAD  
**OWNER:** AATT (Airports Authority)  
**CLIENT:** United Engineering Services Ltd.  
**SECTOR:** INFRASTRUCTURE  
**PROJECT VALUE:** TT\$35m  
**PROJECT COMPLETION:** May 2012

**Project Description**

We were engaged by the Client as the structural civil engineering design consultants for two runway lighting support structures, the FEC Building (157m<sup>2</sup>) and Generator building (292m<sup>2</sup>). These facilities are considered critical infrastructure assets to the Owner and by extension, the national community. The Client's agreement with the Owner was under FIDIC Design-Build and we were the appointed Designers under this Form.

**Our role**

The overall scope of our responsibility under this project was as follows:

- Review the configuration and layout of the structures and make recommendations for improvements.
- Carry out structural analysis of the structures with adoption of British Standards for reinforced concrete, ASCE codes for wind loading and IBC codes for seismic loading
- Develop structural designs and drawings to enable construction
- Produce a detailed design report outlining our design methodology and supporting calculations
- Provide periodic onsite supervision during construction

