



**PROJECT:** HIGH SECURITY FENCING  
**LOCATION:** POINT FORTIN, TRINIDAD  
**OWNER:** ATLANTIC LNG  
**CLIENT:** JOKHAN GENERAL CONTRACTORS LIMITED  
**SECTOR:** ENERGY/INDUSTRIAL  
**PROJECT VALUE:** >TT\$20m  
**PROJECT COMPLETION:** Nov 2012

**Project Description**

This project involved the design, procurement and construction of new security fencing to a major LNG facility in Trinidad. The plant under consideration is a major stakeholder in the international LNG sector and totalled over 8,000m of fencing, gates, drain/river crossings, access walkways, retaining walls. Specific attention was placed on the security of the installation works, the design of major drain and river crossings, and conformance with the fencing manufacturer's specifications.

**Our role**

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

- Develop design philosophy from the topographic surveys and site assessments.
- Perform design calculations and analysis for major crossings, high fencing (up to 6m high) for seismic and coastal wind forces
- Perform design calculations and analysis for retaining walls, light vehicular access roadways and major gate structures for heavy equipment and machinery.
- Produce Drawings for Construction using AutoCAD Civil 3D.
- Produce material schedules for the fencing and other civil works quantities.
- Interface with the Client and Owner to resolve onsite and design challenges.
- Co-ordinate with fabrication crews to establish priority members and optimise stock lengths.

