



PROJECT: SINKING SUPPORTS REMEDIATION
LOCATION: POINT LISAS, TRINIDAD
OWNER: ATLAS METHANOL
CLIENT: P N ENTERPRISES
SECTOR: ENERGY
PROJECT VALUE: TT\$4m
PROJECT COMPLETION: Aug 2005

Project Description

This project involved the detailed civil and structural engineering, design and construction drawings for the remediation of several sinking supports within the Atlas Methanol plant in Point Lisas.

Rivelin Consultants Limited was appointed by the Client as the Structural Engineer to carry out the full survey investigation, structural analysis and design engineering for remedial works to supplement the existing vessel and pipework supports.

Key project criteria

- 20 discrete areas for re-engineering
- Design of structural systems that provided for no downtime to operational plant or equipment
- Develop cause and effect relationship between sinking supports and geotechnical conditions

Our role

- Preparation of the full civil and structural analysis, design and construction drawings for the Client
- Provision of on-site engineering inspection services
- Design and analysis carried out using BS5950 and BS8110 codes
- Provisions made for both seismic and hurricane loading
- Develop a design approach and solution that allowed remedial works to proceed within a live petrochemical plant without disruption
- Design basis was ease of installation, structural integrity and rapid procurement of solutions