

THE NATIONAL GAS COMPANY OF TRINIDAD AND TOBAGO LIMITED

SCOPE OF SERVICE CATEGORIES

PREVENTATIVE MAINTENANCE OF EMERGENCY EQUIPMENT (*HIGH RISK*)

- Inspection, testing, maintenance, repair and calibration of equipment
- Refilling and replacing of parts
- Approvals and training from equipment manufacturer to service respective equipment
- Maintenance and Re-certification Documentation
- Provision of Refresher Training

ASSET INTEGRITY ENGINEERING AND CONSULTANCY SERVICES (*MEDIUM RISK*)

- Pipeline and facility equipment damage mechanisms and failure modes assessment
- Pipeline, facility and process risk analysis
- Pipeline and facility equipment integrity engineering assessment
- Pipeline and facility Quantitative Risk Assessments (QRA)
- Asset life cycle management planning
- Equipment criticality analysis
- Pipeline and facility risk-based integrity management and inspection planning
- Equipment reliability and availability studies
- Equipment maintenance optimisation studies
- Aging asset and life extension analysis
- Pipeline integrity management programme development and assessment
- Facility integrity management programme development and assessment
- Structure integrity management programme development and assessment

SUBSEA PIPELINE INSPECTION AND INTEGRITY MANAGEMENT SERVICES (*HIGH RISK*)

- Design of inspection programme, development of scope and specifications for all inspection activities and resources
- Project management of subsea pipeline inspection services encompassing all coordination, planning and permitting
- Execution of inspection programme including visual and cathodic protection surveys
- Engineering assessment of inspection data and subsea integrity engineering analysis
- Design and scoping of repair and remediation programme
- Project management and execution of repair scope and programme

HYDROSTATIC TESTING SERVICES (*HIGH RISK*)

- Gas Line preparation for commissioning

GENERAL CONTRACTING SERVICES (*MEDIUM RISK*)

- General civil works
- Builders works
- Building repairs and maintenance
- Small construction works
- Painting
- Plumbing
- Yard maintenance
- Fence/gate repairs and maintenance

INSPECTION AND TESTING SERVICES (*HIGH RISK*)

- Destructive Testing
- Non-Destructive Testing
- Pipeline Welding Inspection
- Weldment (Material) Inspection

TRANSPORTATION OF NATURAL GAS LIQUIDS VIA ROAD TANK WAGONS (*HIGH RISK*)

- Transportation of Natural Gas Liquids in Tobago
- Transportation of Natural Gas Liquids in Trinidad
- Road Tank Wagons with tankers ranging from 2,500 gallons to 7,500 gallons capacity that meet Industry's and NGC's safety standards
- Certified by Trinidad and Tobago National Petroleum Marketing Company Ltd for transportation of light distillates

PROTECTIVE COATINGS APPLICATIONS (*HIGH RISK*)

- Surface Preparation - abrasive blast cleaning, hydro cleaning, solvent cleaning, hand/power tool cleaning
- Coating Application
- Coating Testing

GUIDED WAVE INSPECTION SERVICES (*HIGH RISK*)

- This service is primarily required for inspecting pressurised Natural Gas Pipelines at road crossings, river crossings and other areas along the pipeline Right - Of - Way (R.O.W) as deemed necessary

SERVICE AND REPAIRS TO ENGINES AND POWER TRANSMISSION EQUIPMENT (*HIGH RISK*)

- Investigation, inspection, removal, servicing, overhaul, hydro testing and installation of engines and power transmission units
- The service involves providing diagnostic services, and report of findings.
- The servicing / repairs of the unit on site, NGC, or Contractor shop facilities as required.
- The removal of defective unit from equipment.
- The overhaul and hydro testing of unit.

- The installation and commissioning of equipment.