



## DEFINE Engineering Phase of N2 Generator Installation Project: An Agile Approach to Implementation

### Project Overview:

Massy Wood was engaged by BPTT to provide Define Engineering services for the Nitrogen (N2) Generator Installation project on their Mango offshore facility. At that time, the business aligned with Wood's objective to incorporate value adding methods for the client. This involved the use of resources from Wood's Global Execution Centre (GEC).

This global resourcing model not only required a clear strategy to control the project's deliverables, schedule and cost, but also incorporated an Agile approach to ensure that the right levels of communication, team integration and project updates were satisfied.

A small local engineering team oversaw all GEC team deliverables to ensure that client expectations were being met within the region. Budgets were allocated as required and a robust communication plan developed. Weekly sprint meetings were held with both local and GEC resources and all updates, progress and blockers were highlighted in a single space with integrated buy-in from the client. Outside of weekly meetings, updates were provided using a single repository (Ms. Teams) and included the Activity Deliverable Register which was translated directly into the schedule.

With project updates easily received within required weekly cycles, the teams were able to deliver the project to meet the required timeline, under budget.

### Team Kudos:

Special kudos are extended to the following individuals and teams for their focus and commitment to delivering this phase using an Agile approach:

- Colin Frew: Engineering
- Cheyanne Ramhit: Project Delivery
- Syed Baig: Cost Control
- Nicole Ragoonath: Scheduling
- Diana Ramnath and Natalie Johnson: DCC
- Imran Hosein: Construction
- Engineering Teams: Trinidad & Tobago and GEC (Chennai, India)

### Customer:

- BP Trinidad & Tobago LLC

### Location:

- Mango Offshore Facility, Trinidad

### Project scope:

- DEFINE Engineering to determine feasibility of Nitrogen Generator installation on asset

### Project duration:

- 5 months

### Nature of project:

- FEED Engineering
  - Electrical
  - Instrumentation
  - Mechanical
  - Process
  - Structural
  - HAZOP
  - Constructability Review

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