

Team Success Story



Left Image: Aerial view of BVU Facility  
 Top Right Image: Removal of existing USM Meter Run  
 Bottom Right Image: Replacement of USM Meter Run

## Beachfield Valve Upgrade (BVU): A Heavy Lifting Operation Success

Removal of existing and installation of the new 24" USM Meter Run and HIPPS Valves.

### Project Highlights:

Number of Crane Lifts: 42 (~30Te of new infrastructure):

- CIP Metering C&E new and old = 4 lifts
- HIPPS = 3 NO. 24" 600# Valves installed (new and old valves lifted) = 6 lifts
- CIP Metering Structural Removal = 15 No. Access platforms, 6 NO. Access Stairs = 21 NO. Lifts.
- CIP Metering Structural Installation = 5 NO. Access Platforms, 6 NO. Access Stairs = 11 NO. Lifts:

### Project Overview:

BP Trinidad & Tobago (BPTT) engaged Massy Wood to provide lifting expertise / technical authority for the Beachfield Valve Upgrade (BVU) project at their onshore facility. The BVU project was initiated as a Barrier Improvement Action "Critical Valve Upgrades" to address Loss of Primary Containment (LOPC) risks on the Beachfield facility.

Massy Wood was responsible for managing the heavy lifts required to remove the existing and replace the critical valves which ranged from 24 to 40 inches in diameter. The replacement of these valves allowed for the Beachfield site to achieve compliant isolations to conduct scheduled intrusive inspections and maintenance.

### Team Kudos:

Special regards are extended to the Massy Wood EPC Team, bpTT Operations and PMT teams and subcontractors for their dedication and commitment to achieving this massive task without incident.

### Customer:

- BP Trinidad & Tobago LLC

### Location:

- Beachfield Facility (Onshore)

### Project scope:

- Beachfield Valve Upgrade (BVU)
- Removal of existing and installation of the new 24" USM Meter Runs

### Project duration:

- 2 months

### Nature of project:

- Rigging / lifting
- E&I
- Bolt torquing
- Service testing
- Commissioning

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