



## SPECIFICATION SHEET

### KEY FEATURES

- Diverless operation.
- Adjustable skid for enhanced burial performance.
- Backfilling and coverage of product provided using backfill plough.
- Proven and accepted trenching methodology.

# APP

## ADVANCED PIPELINE PLOUGH

The Advanced Pipeline Plough (APP) has an extensive track record for the post-lay burial of large diameter pipelines and flowlines to specification in multiple soils using multi-pass ploughing.

The flexible Heave Compensated launch and recovery system allows operation in extreme environmental conditions. The APP has also completed extensive pre-cut burial worksopes to specification in addition to the lowering of decommissioned surface laid pipelines.

# APP

## PARTICULARS

|                       |   |
|-----------------------|---|
| Max. Operating Depth  | 1000m   |
| Max. Product Diameter | Present configuration 800mm max product size with 20te max cradle capacity, 1.8 single pass. Upgradeable to 1200mm max product size with 50te max cradle capacity, 2.5m multipass (BOP) |
| Speed Range           | up to 500m/hr   |
| Tow Force             | Design load 250te (onset yield at 350te)  |
| Steering              | Active power steering at an angle of 7° either side of straight ahead   |
| Length                | 17.5m   |
| Width                 | 10.0m Operating Width   |
| Height                | 8.5m  |

## WEIGHT

|          |        |
|----------|--------|
| In Air   | 140te  |
| In Water | 43.2te |
| Buoyancy | 90te   |

## VEHICLE POWER

|                 |   |
|-----------------|---|
| Electric Motor  | 1000V, 37.5kW   |
| Hydraulic Pumps | Constant displacement gear pumps (70 litres/min at 250 bar) |

## SOIL TYPE

Suitable for a range of soil types, including sands, vert soft to hard clays.

## SURVEILLANCE EQUIPMENT

|   |
|---|
| Obstacle Avoidance Sonar                              |
| x2 Trench Profile Sonars                              |
| Forward Landing Sonar                                 |
| 2 x Cameras on pan and tilt (CCD B&W) forward and aft |
| 3 x Fixed Cameras (CCD B&W)                           |
| 6 x Lights (LED)                                      |

## CABLE SIZE & PRODUCT HANDLING

Fitted: Max. diameter 800mm, 20te capacity. Optional: 50te pipe capacity cradles and grabs fore and aft

## BOULDER CLEARANCE

Mouldboards can be added to the plough for boulder clearance operations

