

Submarine Pipelines Rehabilitation

Works Description



Repair works in Submarine Pipelines of Guanabara Baía - using Albacora barge, floating pontoons and other service barges.

Pipeline 16" PE-2: 6 repairs, replacement of 300.00 mt. of lines;
Pipeline 26" SUL: 6 repairs, replacement of 130.00 mt. of lines;
Pipeline 26" P.S.: 2 repairs, replacement of 24.00 mt. of lines;
Pipeline 12" DPP: 1 repair, replacement of 600.00 mt. of lines + riser of the Main Pier; Pipeline 12" GPP: 1 repair, replacement of 24.00 mt. of lines; Pipeline 8" GLP: 2 repairs, replacement of 50.00 mt. of lines + 1 riser of Ilha Redonda + pipeline assembly in paved area at Ilha Redonda arrival; Pipeline 14" F-RS.: 1 repair, replacement of 50.00 mt. of lines; Pipeline 8" GLP: 4 repairs, replacement of 420.00 mt. of lines; Pipeline 14" PE-1: 1 repair, replacement of 50.00 mt. of lines; Pipeline of 14" PC- 1: 1 repair, replacement of 12.00 mt. of lines.

Relevant Features

- Use of Geometrical Pig for defects detection.
- Removal of the silt in the pipelines with drainage pumps and air lift.
- Underwater thickness checking for confirmation of defects.
- Execution of sea bottom tie-ins with support of Albacora barge or floating pontoons according to the water depth.
- Works performed with GDK's own diving crew and equipment.

Construction Period

12/03/02 to 08/31/04

Location

Duque de Caxias and Rio de Janeiro - RJ

Client

Petrobras
Engineering/ IETEG / IETR / CMDSU

