



## Specialized Utility Pipeline Services

### Services Offered:

- Pipeline Cleaning
- Condition Assessments
- CCTV Surveys
- Patch Repair Systems

### Applications:

- Industrial Water Pipelines
- Sewer Pipelines
- Gas Pipelines
- Water Pipelines



## Pipeline Rehabilitation

Within the APS, we are able to provide turnkey service to our customers in the utility, power, oil and gas industries. The choice of the most suitable pipeline rehabilitation system depends upon which performance parameters the pipe fails to meet and why the failures occur. Criteria like; condition of the existing pipeline, requirements for the desired performance, hydraulic capacity and structural design data, as well as financial considerations have to be taken into account. Since there is no single solution that covers each and every pipeline rehabilitation project, APS prides itself in providing a very broad range of pipeline rehabilitation methods from which we can offer a tailor-made solution fitting the specific circumstances of the project. Our Specialized Utility Pipeline Services Department provides the inspection and patch repair services that are actually required prior to installation of any of the mentioned tailor-made trenchless pipeline rehabilitation or repair solutions.

The acquisition of knowledge with respect to the condition of an existing pipeline network is of fundamental importance to the budgeting, planning and successful implementation of a pipeline system rehabilitation program. Huge cost savings and efficiency gains can be made by the implementation of a modern condition assessment and defects grading exercise which has the planned objective of categorizing defects thus enabling the orderly prioritization of remedial works.

## Pipeline Cleaning Services

Cleaning of pipelines as a pre-cursor to inspection, as preparation for relining or simply to improve flow by removing slit build up or obstructions, APS can assess and select the right cleaning device for the job, followed by the actual cleaning of drain and sewer pipes, using high capacity combination jetting/vacuum units, drag scraping, rack feed boring and other tools.

APS owns and operates a range of high capacity combination jetter/suction units equipped with filtration and water recycling to ensure maximum on-site operating time and the quickest possible results.



## Pipeline Inspection Services

Visual condition assessment is probably the most powerful tool in planning the maintenance requirements of existing pipeline networks. APS has equipment capable of reaching up to 350 meters for the CCTV inspection of pipework in the 50mm to 1200mm diameter range

APS uses the latest inspection software, together with a range of remotely operated crawler mounted colour, pan, tilt and zoom cameras in the hands of trained and skilled operators producing an astonishingly accurate mechanism by which defects can be located, recorded and graded in compliance with the guidelines established within the WRC Manual of Sewer Condition Classification.

Computerized interpretation of the WRC method of classification of sewer defects provides a highly visual and easily understood output thereby enabling a simple and balanced approach to the decision making process of grading individual lines, sectors and entire networks.

With an expert team available to provide post-survey guidance with respect to the most practical, economical and technically competent means of repair and rehabilitation, APS offers the most comprehensive sewer survey and repair guidance service available in the region.

## Patch Repair Systems

In cases where your existing pipeline has holes, breaks and/or joint failures, though the pipeline has still got structural integrity, localized repairs is the way forward.

APS installs the full range of internal repairs for leaking joints and cracks using inflatable packers in small diameter pipes ranging from 150 millimetre diameter to 500 millimetre diameter and using resin impregnated sealing sleeves for man entry pipes from 500mm up to 4000mm diameter with pressure range of up to 20 bars.



APS introduced trenchless pipeline rehabilitation here in the Middle East and has since build-up a very long track-record of successfully executing projects in this region and beyond. Companies like DEWA, FEWA, ADDC, AADC, ADSSC, TRANSCO and many more top utility companies have become regular customers of our trenchless pipeline rehabilitation installation technologies. For a complete and detailed project reference list, please contact APS.

APS brings unrivalled levels of innovation, experience and expertise in corrosion engineering and contracting.

We have in-depth knowledge of the industry, our customers' day-to-day challenges and the environmental, health and safety standards in the marketplace. By working in close partnership with our customers, our company is able to provide timely, efficient, cost-effective and above all quality products and services.

APS is certified to and operates in compliance with ISO 9001:2008/BS EN, ISO 14001:2004 and OHSAS 18001:2007.

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