



FUTURE PIPE INDUSTRIES

Complete Pipe System Solutions

PROJECT NAME

Ras Abu Fontas "B" Power & Desalination Plant

LOCATION

Ras Abu Fontas, Qatar

COMPLETION DATE

1997

END USER

Qatar Electricity & Water Company, Qatar

CONTRACTOR – CONSULTANT

ABB, U.K.

Ewbank Preece Ltd. U.K.

PIPE SYSTEMS CONSULTING ENGINEERS

Dynaflow International Inc., U.A.E.

PIPE SYSTEMS SUPPLIER

Future Pipe Industries

PIPE SYSTEMS UTILITY

GRP for Underground & Aboveground Application

DESCRIPTION

Qatar's biggest Plant Desalination & Power Generation, with the capacity to generate 608 MW of electricity and 15,000 M3 of desalinated water using five single deck MSF evaporators.

SCOPE

Our scope entailed a single point responsibility for the complete:

- Engineering: Plan and profiles including detailed wadi/road crossing, preparation of Isometric, Bill of Materials and spool drawings, Surge & Stress Analyses.
- Manufacturing of Pipes & Fittings
- Hydrotesting
- Site Installation
- Documentation

PIPE SYSTEM

Provision for piping systems for the following applications:

- Seawater Intake
- Distillate Water
- Industrial Drainage
- Filtered Water
- Distilled Water Cooling Systems
- Closed Circuit Cooling Systems
- Seawater Distribution
- Seawater Discharge
- Potable Water
- Produced Water
- Offshore Seawater Intake
- Chlorinating System Pipelines

Our engineers worked closely with the consultant to ensure proper design of around 25km of Glass Reinforced Pipe systems for the wide range of application required. Pipe Diameter ranged from 25mm to 2500mm, offshore and onshore, both buried and above ground systems, and complemented with a full range of fittings and accessories. The installed system was self-restrained, requiring no thrust blocks.

ADVANTAGES / SPECIAL ATTRIBUTES

The intrinsic properties of Glass Reinforced Pipes; resistance to corrosion, smooth internal surface and economic cost, were key factors in client's choice of this materials for their pipe systems. Our ability to produce custom made prefabricated spools in order to facilitate installation. Our vast experience is similar large-scale project, and our ability to provide assistance throughout the various phases involved, were among the considerations that prompted the client and their consultants to rely on our expertise.

