

**Total Solution maker
in GRP machinery
and products**



Faratec
Technology center

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Technology center

Highly modified production line with the lowest cost and highest quality products based on longterm testing and international standards.



Training and advanced production technology transfer to be pioneer in market



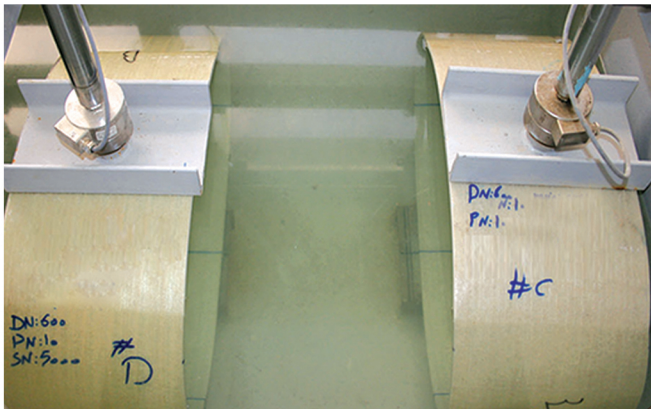
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Research and Development

Faratec polymer and composite institute is one of the biggest technology centers in the world.

Faratec will support you in all aspects of technology.



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**Advanced pipe and fitting design confirmed by long term testing
Done by Faratec technology center**

ISO 9001
ISO 14001
OHSAS 18001
ISO 50001
ISO 10002
ISO 10015
HSE-MS



Pipe application and installation assistance

we will provide you training and manuals
for installations.



Faratec will provide approved raw material
suppliers for 50 years safe life based on
long term testing.



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Product support :

Faratec not only provide the most advance technology and machinery for clients but also support you in the market in the following fields:

Water and Wastewater

- Desalination, treatment & transfer system
- Oil & Gas pipelines
- Treatment plants
- Pressurized and non pressurized chemical tanks
- Cooling towers
- Chemical pipelines
- Process pipeline
- Monel composite pipes
- Fire retardant pipes
- Cooling tower
- Pumping station design and constructor
- Oily water treatment

Feed & Detail Design

- Design review
- Basic & detail design
- Providing technologies modification and rehabilitation
- Procurement services
- Value engineering

Oil, Gas, Industries

- Desalination, treatment & transfer system
- Oil & Gas pipelines
- Treatment plants
- Pressurized and non pressurized chemical tanks
- Cooling towers
- Chemical pipelines
- Process pipeline
- Monel composite pipes
- Fire retardant pipes
- Cooling tower
- Pumping station design and constructor
- Oily water treatment

Fabrication & Construction

- Pipelines
- Storage tanks
- Test & commissioning
- Maintenance
- Operation
- water treatment system
- wastewater treatment system
- Desalination treatment system
- GRP production lines and technology
- Resin production lines and technology



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Engineering department:

our pipe engineering department also give you support for the following sections:

Pipe section

- Design Review
- Basic & Detail Design
- 3D Modelling by PDMS
- Preparation of Plot Plan and Isometric Drawings
- Control & recheck of plot plan & Isometric Drawings
- Stress Analysis Calculation (Software Based)
- Determination of Support Type and Location
- Support Construction Detail Drawing
- Nozzle Load Determination for Critical Points
- As Built Document Preparation for GRP Pipeline
- Piping Route Drawing (AG/UG) for GRP Pipe Line
- Material Take Off & Bill of Material for GRP Pipeline
- Pre-Fabrication Spool Drawing for GRP Pipe Spools
- Designing process pipeline

Civil section

- Thrust block calculation and design
- Providing installation drawing
- Providing trench excavation drawing
- Designing concrete or steel structure
- Designing of GRP manhole
- Determining of backfill soil in underground pipeline
- Providing feasibility study of installation in any environment
- Designing earthquake resistant pipeline

Hydraulic section

- Determining the size of pipeline
- Determining the required pump station in different location of pipeline
- Calculation of water hammer and surge pressure
- Calculating of head lost through pipeline
- Extracting of pipeline MTO
- Providing pipeline as built drawing
- Providing Plan and profile drawing of pipeline
- Determining of air, drain and pipeline valve location

Project management

- Planning and controlling of project
- Providing tender documents
- Coordination between different engineering discipline
- Project price control
- Procurement management
- Preparing invoice of project

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Partnership

We consider our partners to be an important part for a sustainable future. For decades Faratec has been working alongside most major company in Oil & Gas, Energy and Water to make better world around us.

Based on Faratec experience and expertise in all projects would deliver safe, reliable and high quality product and services to our customers.

