

# FUTURE PIPE INDUSTRIES GROUP PROFILE

Future Pipe Industries (FPI) is the worldwide leader in engineered, performance-based, fiberglass pipes. With the world's most comprehensive product portfolio of fiberglass pipe systems, FPI has built a solid reputation for designing, manufacturing and installing bespoke pipe solutions for leading companies in the fields of infrastructure, oil and gas, industrial, water and marine.

FPI was established in Dubai, UAE in 1984, with the objective of creating a company that would be a leading manufacturer and technology developer of fiberglass pipe systems. From the mid-nineties, FPI embarked on a global expansion plan by developing its own pipe system technology, acquiring know-how and continuing to expand the production capacity.

Recently, and continuing on its global growth strategy, FPI acquired Specialty Plastics Inc. (SPI) based in Baton Rouge Louisiana. SPI manufactures FIBERBOND® advanced composite piping system specially used for the offshore rig and floating production and storage of oil (FPSO) and marine vessels market

FPI also acquired Protecciones Plásticas, S.A.U. (Protesa) in Spain, a pioneer in the production of GRP pipes, with the aim of researching, designing, producing, marketing and installing GRP (Glass Reinforced Polyester) pipes and fittings.

Today FPI's operations span across four continents with a presence throughout the Middle East, Africa, Europe, North America and Asia, with 13 factories located in UAE, Oman, Qatar, Egypt, KSA, USA, The Netherlands, Spain, India, Indonesia and over 20 sales offices and 3,300 employees globally serving more than 400 major customers in over 50 countries across the Oil & Gas, Water and Industrial sectors.

The company has achieved prominence in its field by strict adherence to the highest levels of quality in manufacturing, as well as by its commitment to meeting client needs. Through its global network of manufacturing plants, sales offices, engineering consultancies and representative offices, FPI provides engineering, installation and logistics support as well as commissioning services. As a result, through its vast experience, the company has built a reputation for reliability and integrity, two qualities that embody FPI's commitment to excellence.



### **Technical Dedication**

In its commitment to quality, Future Pipe Industries Group has continuously formed technical know-how sharing alliances with leading fiberglass-composite pipe research institutes worldwide. In addition, the Group, backed by their engineering consultants, has developed a new concept of technical innovation in pipe system design and engineering, essential to fulfil customer requirements.

This technical innovation capacity allowed FPI to go a step further and to propose Cost Reduction Programs in the design of pipe systems along with the concept of Single Point Responsibility.

### **Integrated Engineering Solutions**

As part of its commitment to fully service client needs, the Future Pipe Industries Group offers the capability of handling projects on a turnkey basis. Under this program, the Group assumes full responsibility for every aspect involved from the design, to the production, installation, testing and commissioning of its pipe systems.

### **Product Applications**

Major markets for the use of fiberglass reinforced pipe systems (also known as composites, GRP or RTRP) include Industrial, Oil & Gas, Petrochemicals, Desalination & Power, Municipal & Infrastructure, Water Distribution and Marine. As an inert material, fiberglass composite pipes have excellent anti-corrosive properties. Seawater, chemicals, oil and atmospheric environments typical in severe corrosion within a short period of time, fiberglass pipes, with a design life of 50 years, have proven to be the material of choice when facing such conditions.

The Future Pipe Industries Group has been involved with major power and desalination plants throughout the GCC region. Tank systems (vertical and horizontal) are also offered as a corrosion free alternative to outdated metal technologies, as evidenced in their use at filling stations throughout the UAE and other Gulf Cooperation Council (GCC) countries.

Polyester and Vinylester based fiberglass reinforced composites (GRP/GRV) offer excellent performance in terms of corrosion resistance and resistance to loads (buried installations) with high pressure (up to 25 barg) and temperature (up to 93° C) applications.

GRP Pipes have been extensively used in the Desalination & Power Industries (salt water systems, intake and discharge/outfall, cooling water systems, flu gas desulphurization and utility piping), water distribution and municipal/infrastructure applications (storm and surface drainage, sewer, district cooling and heating, and urban fire-water networks).

Epoxy based fiberglass reinforced composites (GRE) offer superior performance in relation to temperature and pressure. Due to the specialized services and rigorous standards applied to the use of GRE, there are relatively few companies globally qualified to produce such systems. GRE is extensively used in the Oil & Gas industry for a myriad of applications, ranging from potable and sea water systems to steam condensate, injection lines, brackish water line, fire systems, crude oil and gas injection lines.

## Product Development

A long term testing facility is in operation at the manufacturing facilities for qualifying a full range of new products for higher pressure, higher temperature, and fire resistance applications.

## Future Pipe Industries Group: Dedicated to Quality

The Future Pipe Industries Group's leadership in dedication to quality is a commitment to ensure customer satisfaction and to propose pipe systems that comply with the various existing international standards with proven performance certified by independent international authorities and organizations.

FPI's commitment to quality can be seen from the various international accreditations as listed below.

## Commitment to Excellence

### Accreditations



## Testing Laboratories and Auditors

The Future Pipe Industries Group has relationships, in terms of research and testing, with the following independent organizations and laboratories:

- TUV (Germany)
- Mines de Douai (France)
- M&T (Netherlands)
- Sintef (Norway)
- SGS Inspection Services (France)
- Bureau Veritas (UAE)

## International Standards

The Future Pipe Industries Group manufacturing process, products and testing method, follow the strict requirements of the following recognized international bodies:

- AWWA (American Water Works Association)
- ASTM (American Society for Testing and Material)
- ANSI (American National Standard Institute)
- API (American Petroleum Institute)
- BSI (British Standard Institute)
- UKOOA (United Kingdom Offshore Operators Association)
- DIN (Deutches Institute fur Normung)
- ISO (International Organisation for Standardisation)

