

FUTURE PIPE INDUSTRIES GROUP PROFILE

Future Pipe Industries Group (FPI) is the global leader in the large diameter fiberglass pipe industry, developing, manufacturing and supplying fiberglass pipe systems for customers in over 50 countries. Headquartered in Dubai, FPI's operations include 10 factories and a global network of sales offices across four continents serving customers and end users in a wide variety of sectors including Oil & Gas, Infrastructure & Municipal, Water Distribution, Desalination & Power, Petrochemical and Industrial.

Because of its global reach and strategic locations, FPI is suitably positioned to take advantage of both the growing market in the GCC and the increased demand for fiberglass pipes worldwide.

FPI was established in 1984 when Mr. Fouad Makhzoumi acquired a stake in Gulf Eternit Industries, the first company in the FPI Group. Since this acquisition, the Group has grown significantly and has transformed from a local manufacturer into a global leader.

As manufacturers of the world's most comprehensive portfolio of fiberglass pipe systems, FPI has successfully promoted fiberglass as a strong substitute to pipe systems based on traditional materials. This is in line with the Group's mission to maintain global leadership in the fiberglass pipe industry and to be recognized as the pioneer in the conversion of world pipe demand into fiberglass.

FPI has developed considerable in-house expertise and technology leadership and has received numerous accreditations and certifications from international bodies. The Group is continually investing in new research and development initiatives to expand the technical capability and

innovation of its pipe systems and to enter into new market segments.

The company's leading position is built upon a number of key strengths including its reputation, global reach, extensive portfolio of high quality fiberglass pipe systems, operational capabilities, strong management team and large international customer base.

Future Pipe Industries Group achieved its prominence in this field by strict adherence to the highest levels of quality in manufacturing, as well as by its commitment to serving client needs with the services necessary to ensure the success of their pipe systems. Through its global network of manufacturing plants, sales offices, engineering consultants, and representative offices, FPI provides engineering, installation and logistics support as well as commissioning services as part of its Single Point Responsibility.

This program was devised to ensure that clients have a single reference point that they can rely on in the various stages of implementing their pipe system. As a result, and through its vast experience, the Group and its members have 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.

The 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.

Single Point Responsibility

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 and Water Distribution. 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 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 250 bar) and temperature (up to 930 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.

Services/Engineering

The Future Pipe Industries Group, with its emphasis on detailed engineering and design studies, provides a variety of services to fully satisfy customer requirements.

Flexibility, surge and support arrangement analysis are offered as critical components in designing a complete pipe system. Installation and erection services are also offered as part of Single Point Responsibility. The Group's combination of professionalism, quality and in-depth experience translates into success and customer peace of mind.

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

- ISO 9001
- ISO 14001
- Factory Mutual
- Water Research Advisory Scheme
- Underwriter's Laboratories
- API
- KIWA
- NSF

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)

