Bilfinger Piping Technologies is Europe’s market leader in the construction of high-pressure pipes for water-steam cycles in power plants. The company has a wealth of experience in engineering, prefabrication and construction. The particular expertise is in processing materials, which are found in the application of efficient, thermally highly-stressed, modern power plants and which are permanently developed further. Innovative technologies and solutions are utilised by around 1300 people currently employed at the headquarters in Essen, in the nationwide sites and at the fabrication of Bilfinger Piping Africa in South Africa.
Excellence based on Quality

As a member of the Bilfinger Power Systems Group, Bilfinger Piping Technologies has specialised in the world-wide equipment of thermal and nuclear power plants with high-pressure and high-temperature piping systems and components.

Bilfinger Piping Technologies has been using its know-how, vast experience and innovative technology also in the fields of industrial piping, utilities, plant construction and assembly. The focus is on the chemical, petrochemical and the steel industry.

Today, companies have to adapt increasingly quickly in order to meet their clients’ needs and market requirements. Bilfinger Piping Technologies does so effectively by providing solutions ranging from virtual planning to production and assembly to after-sales service. For decades now, Bilfinger Piping Technologies has been implementing these solutions as sustainable long-term solutions – that is, for the entire lifecycle of equipment. Modern production in the company’s own plants also ensures higher quality and greater flexibility, thereby achieving time and cost savings.

Services

Consultancy & project management
- Economic and on-time execution of orders

Design & construction
- Research and development
- Conception and process engineering
- Design (basic and detailed)
- Commissioning
- Operation support and supervision

In-house fabrication
- Fabrication of high-pressure piping systems, bends, mouldings and thick-walled machinery
- Fabrication of medium and low-pressure piping systems

Construction
- Power plant construction
- Industrial furnaces
- Industrial gas pipelines and components
- Plant outages
- Steel industry
- Supply lines

Maintenance
- On-site inventory
- Thermal calculations for start-up and shutdown procedures
- Water hammer and vibration calculations
- Determination of residual life