

## FWS PROVIDED POWER PLANT PIPE DESIGNING SERVICES TO AN ENGINEERING FIRM



### The Client

The client is a multidisciplinary engineering business based in Argentina (Bahia). Their primary work involves information management databases, laser surveys, and 2D/3D design systems. They serve multiple industries that include instrumentation design, automotive, electrical, mechanical, and civil engineering. The client has 25 years of experience in industrial control and automation for industrial plant design and engineering services.

### The Challenges Faced by the Client

The client needed assistance in designing the piping structure for pipe placements in a power plant being built. The client provided laser scans of an existing power plant.

The project involved three special challenges -

- + Scanned cloud point data was not clear enough to be used for a complex piping project
- + Many of the scanned files exhibited data loss
- + The assignment required detailed familiarity with Argentinian construction guidelines

### FWS' Solution

The Flatworld Solutions mechanical engineering and piping design specialists developed the following solution after carefully analyzing the client's requirements -

- + The team included a project manager, five mechanical engineers, and a qualified expert. Each engineer had at least 10 years of advanced engineering experience
- + Prior to beginning development of the pipe placement designs, the cloud point and data loss discrepancies were resolved via research by the team involving a thorough review of Argentinian piping standards for power plants
- + The team recreated support structures that included sufficient detail to facilitate the pipe placement design
- + The project required two weeks from start to finish

### The Results

This project reflects an ongoing client requirement in many Flatworld Solutions assignments - to provide a fast turnaround for complex engineering services that involve in-depth knowledge of local and national construction standards. For 20 years, our engineering experts have successfully met the high expectations of Fortune 1000 companies and private enterprises located throughout the world.

### Partner with FWS for Best Quality Piping Design Services

Flatworld Solutions has been a leading provider of [piping design services](#) and a series of other [mechanical engineering services](#) to global clients. Our ISO-certified team has served as the primary outsourcing partner for complicated piping systems and engineering services encompassing refrigeration plants, fertilizer facilities, offshore platforms, petrochemical operations, power stations and other industrial facilities. Whether you need expertise in AFT (applied flow technology) Impulse, PDMS (Plant Design Management System) or AutoCAD drafting, Flatworld Solutions can provide a one-stop solution for complex engineering project needs. [Get in touch with us](#) today to obtain a no-cost quote.