

## FLATWORLD SOLUTIONS PROVIDED ENGINEERING PRODUCT DESIGN SUPPORT FOR AUSTRALIAN ENERGY SOLUTIONS PROVIDER



### Client Profile

The client is based in Australia (Queensland) and has provided oil and gas solutions for 25 years. They design customized products that can operate on fully equipped rigs or on a standalone basis in locations with very little infrastructure support.

The client supplies equipment that must meet a complex combination of operating cost, quality, engineering standards and safety requirements.

### Client Requirements and Challenges - Product Design Help

The client wanted engineering design support for building a new gas compressor. The design requirements included changing performance and safety specifications as well as making the product more compact and easier to repair.

The project involved this primary challenge -

- + Decreasing the size of the compressor and incorporating all required parts without compromising performance.

### The Solution - By Flatworld Solutions

The Flatworld Solutions mechanical engineering specialists developed this solution -

- + The team included an account manager and three engineering product design experts.
- + New product requirements entailed piping changes, skid-size reduction and space/size modifications to ensure easy access for maintenance.
- + The design process included weekly review meetings with the client to discuss progress and any required changes.
- + Software used by the team included Autodesk Inventor and Acebrain.
- + The product design requirements were finalized in 60 working days.

### Final Results - Helped Client Complete Product Designing Process in 60 Days

This project demonstrates how outsourcing can be used to improve new product designs that involve complex engineering specifications. These capabilities are especially critical when clients need to design and manufacture new equipment on a highly customized basis. In this case, the Flatworld Solutions (FWS) team provided a fast turnaround for engineering support services that enabled the client to meet precise operational and safety requirements.

FWS is a global provider of outsourcing services. Our client list includes Fortune 1000 companies as well as individuals and family businesses. We are an ISO certified support services provider and ensure that [engineering design](#) processes meet international quality standards. The Flatworld Solutions team can work in your time zone - our [mechanical engineering](#) and product design team operates on a 24/6 schedule that allows easy communication and quick results across multiple time zones.

Flatworld Solutions combines high-quality outsourcing results with cost-effective pricing that helps our clients stay ahead of their competition. [Contact us](#) today to discuss your next project.