



SPECIALISTS IN PROCESS CONTROL AND AUTOMATION SOLUTIONS

Who we are

CPC Engineering is an Engineering Company specialized in the Design, Optimization and Maintenance of Advanced Systems for the Compressor Controls and the Compressor Associated Processes.

Our Solutions are designed to be perfectly integrated in any Hardware architecture, adapting to the specific needs of each customer.

Why choose CPC



Industry Expertise

At CPC we have more than 40 years of experience leading projects around the world.



Innovative Solutions

Dedicated to developing Solutions that drive a brighter, more sustainable future for all.

Our Services

Compressor Control Solutions

Control Loops Optimisation

Project Supervision and Integration

Advanced Process Control

Energy Studies and Audits

Control Solutions for FPSO applications

Controller Retrofit / Migration

And more...

Compressor Control Solutions

At CPC Engineering, we offer specialized Solutions to improve the Performance, Protection and Operational Efficiency of compressors. These Solutions include:

- CPC Engineering's proprietary Solution for Antisurge Protection.
- Improved operation of single and parallel compressors.
- Enhancing Operational Efficiency and Stability through Load Control ('Performance Controller')..



Control Loops Optimisation

- Increased process stability by means of:
 - Control loop tuning.
 - Definition of Required Instrumentation.
 - Definition of suitable valves.
- Introduction of appropriate control structures according to the process.
- Diagnosis and standardization of Solutions for complex processes.
- Significant increase in process stability.



Project Supervision and Integration

At CPC Engineering, we manage Control Systems Implementation Projects, from the conceptual design or FEED phase to the final delivery, ensuring a planned execution adapted to the needs of each client.

We ensure efficiency, quality and compliance through rigorous practices, advanced technology and a proactive approach, exceeding expectations and delivering sustainable results for your operations.





Advanced Process Control

We offer advanced Solutions to optimize and manage key processes in industrial plants, ensuring Efficiency, Control and Adaptability in critical operations:

- Distribution Network Systems (air, steam, utilities).
- Tank management, blending and load balancing.
- Bottleneck management systems in online and batch component blending.

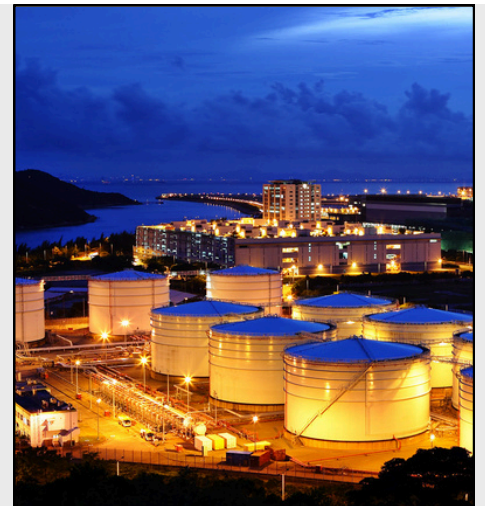


Energy Studies and Audits

In recent years, CPC Engineering has been implementing projects to reduce energy consumption in equipment that consumes a large amount of energy in the plant.

Our Solutions allow a considerable reduction in consumption, generating highly attractive returns on investment.

With our Solutions, efficiency and profitability go hand in hand.



Control Solutions for FPSO applications

CPC Engineering improves the processes of Floating Production, Storage and Offloading Platforms (FPSOs) through the Systematic Analysis of the process and the integral improvement of the Control Loops. We perform a detailed analysis of each platform to identify areas for improvement and provide customized recommendations to optimize equipment performance.

The implemented Solutions improve operational efficiency, reducing costs and extending the service life of key equipment, especially in compressor control.

CPC Engineering continues to drive innovation in the FPSO sector, thus committing to a more efficient and sustainable future.



Controller Retrofit / Migration

- Hardware & Software replacement of obsolete controllers such as ABB and H&B (Protronic PS, P700, Digitric) among others. Please check your standalone controller model with our team of specialists.
- Technological modernization and operational safety improvement.
- Minimization of work required and costs associated with the project.
- 1-to-1 migrations through CPC Engineering's proprietary CPC Compact Solution. The CPC Compact Solution is CPC's latest Retrofit Solution in its bid against obsolescence. It integrates a PLC and HMI into a customized panel that fits perfectly into the original controller footprint, ensuring a simple and efficient transition.



CPC Compact Solution



Front View



Back View



Side View

Other Services and Solutions

- Dynamic Simulation of Processes.
- CPC Tuning Package
- Software Monitoring Equipment Tools -> RMP.

- Load Sharing Package.
- Slug Management Package.
- Blending Package.

Commitment to the Future

By choosing our Engineering Services and Solutions, companies ensure the continuous optimization of their processes, maximizing operational efficiency and minimizing risks.

Our strategic focus is to ensure the continuity and sustainability of your operations, driving long-term performance and success.