

MECHANICAL CONSTRUCTION



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UAE

BAHRAIN

JORDAN

UK

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ABOUT PFC GROUP

Complete Mechanical Solutions

PFC Mechanical Works Division provides integrated engineering, fabrication, installation, maintenance, and commissioning services for factories and industrial facilities.

Our in-house engineers, workshop teams, certified technicians, and project managers work together from the initial site assessment through final testing and handover.

This integrated capability enables PFC to respond quickly, control quality, reduce downtime, and deliver safe and reliable mechanical solutions



CAPABILITIES OVERVIEW

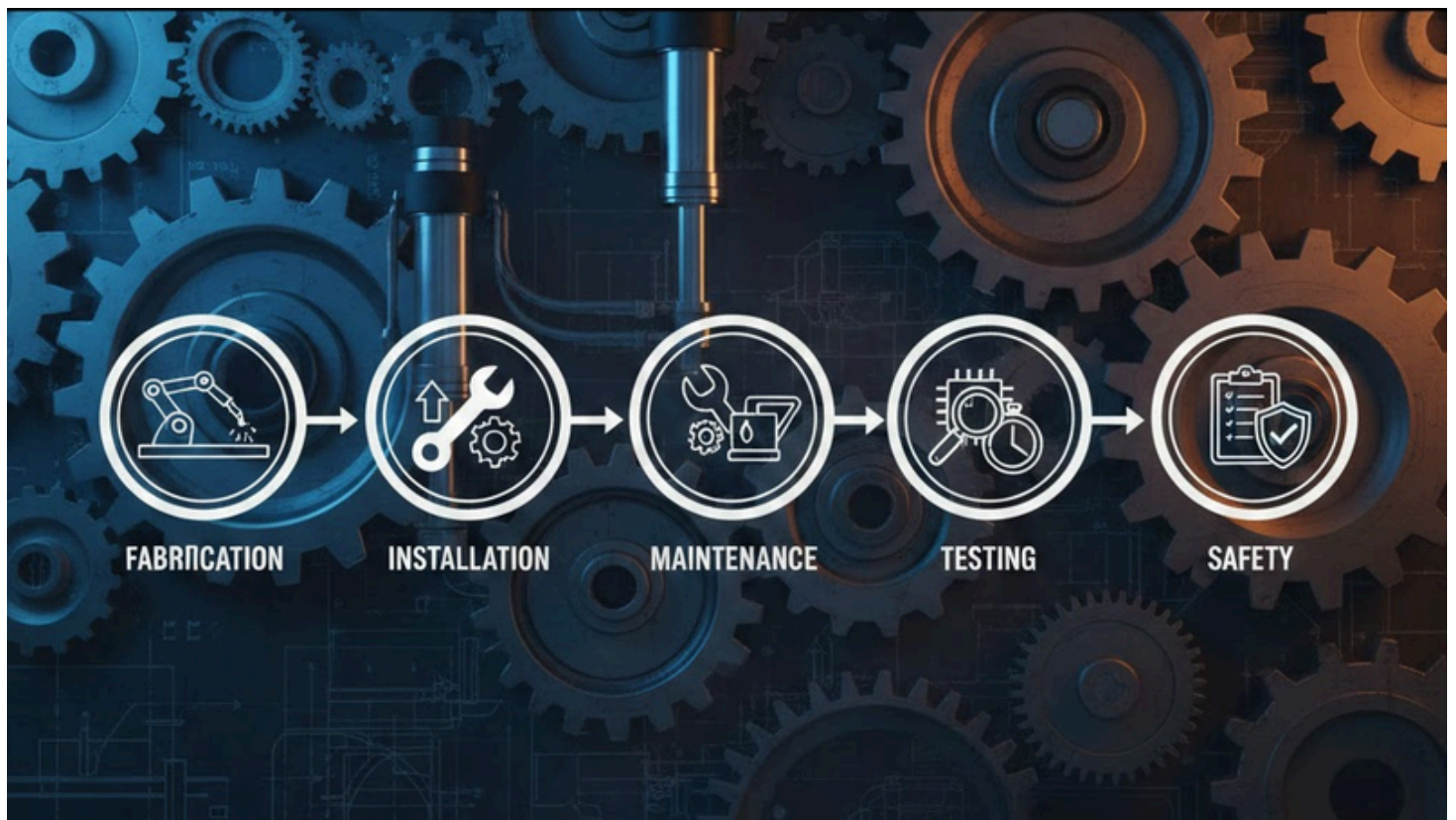
One Team for Every Mechanical Requirement

PFC supports industrial plants, manufacturing facilities, refineries, smelters, power stations, and infrastructure projects.

Our capabilities include:

- Mechanical engineering and shop drawings.
- Piping and steel fabrication.
- Equipment installation and alignment.
- Rotating and static equipment maintenance.
- Plant modifications and emergency repairs.
- Thermal insulation and cladding.
- Shutdown and overhaul works.
- Heavy lifting and rigging.
- Testing, commissioning, and handover.

PFC provides one coordinated team with complete responsibility for project delivery.



IN-HOUSE ENGINEERING

From Site Requirements to Executable Solutions

Our in-house engineering team develops the drawings and technical documents required for safe and efficient execution.

Our services include:

- Site surveys and condition verification.
- General arrangement and mechanical layouts.
- Piping isometrics and spool drawings.
- Equipment, support, and foundation details.
- Fabrication and modification drawings.
- Material take-offs and cutting lists.
- Method statements and lifting plans.
- Coordination and final as-built drawings.

Our engineers remain involved throughout fabrication and installation, allowing fast technical decisions and reducing delays and rework.



WORKSHOP & FABRICATION

Controlled In-House Production

PFC operates dedicated workshop facilities for:

- Piping spool fabrication and welding.
- Steel frames, platforms, supports, and skids.
- Mechanical modifications and repairs.
- Cutting, drilling, grinding, and bevelling.
- Trial assembly and dimensional inspection.
- Surface preparation and painting.
- Material storage and traceability.

For major packages, PFC also has agreements and operational alignment with established UAE fabrication facilities. This allows us to increase capacity for large-scale projects while maintaining PFC's engineering, quality, and project controls.



FIELD INSTALLATION

Certified Teams and In-House Equipment

PFC maintains dedicated teams for lifting, rigging, welding, mechanical installation, and commissioning.

Our site resources include:

- Project managers and mechanical engineers.
- Certified lifting and rigging personnel.
- Qualified welders, fitters, and technicians.
- QA/QC and HSE professionals.
- Cranes, welding machines, lifting tools, and installation equipment.

We execute equipment positioning, piping erection, steel installation, alignment, grouting, tie-ins, testing, and commissioning with direct supervision and full site coordination.



ROTATING EQUIPMENT

Reliable Maintenance for Continuous Operation

Our mechanical experts inspect pumps, motors, compressors, gearboxes, fans, and other rotating equipment to identify vibration, leakage, overheating, misalignment, and performance issues.

Based on the findings, PFC prepares a tailored maintenance schedule covering:

- Dismantling, inspection, and servicing.
- Bearing, seal, and coupling replacement.
- Precision shaft and coupling alignment.
- Lubrication and vibration monitoring.
- Base repair, re-grouting, and realignment.
- Operational testing and performance verification.

Our objective is to return equipment to safe, stable, and reliable operation with minimum production downtime.



STATIC EQUIPMENT

Inspection, Repair, and Refurbishment

PFC provides planned maintenance and emergency repair services for tanks, vessels, heat exchangers, filters, and other static equipment.

Our services include:

- Equipment condition assessment.
- Internal cleaning and inspection.
- Heat-exchanger and tube-bundle servicing.
- Gasket, flange, nozzle, and support replacement.
- Pressure and leak testing.
- Protective coating application.
- Insulation and cladding reinstatement.
- Final inspection and repair reporting.

All activities are planned around plant access, shutdown periods, lifting requirements, and confined-space controls.



PROCESS PIPING & VALVES

Complete Piping Execution

PFC delivers new piping systems, plant modifications, replacements, and emergency repairs for carbon-steel, stainless-steel, and approved alloy systems.

Our scope includes:

- Routing and shop drawings.
- Workshop spool fabrication.
- Piping, supports, valves, and fittings installation.
- Qualified welding and controlled tie-ins.
- Valve and actuator replacement.
- Flange management and torquing.
- Hydrostatic, pneumatic, and leak testing.
- Painting, identification, and handover.

Prefabrication and dedicated site teams allow faster installation with reduced disruption to factory operations.



INSULATION & CLADDING

Protection and Energy Efficiency

PFC installs, repairs, and replaces insulation and cladding for piping, tanks, vessels, ducts, and mechanical equipment.

Our services include:

- Hot- and cold-service insulation.
- Mineral wool, calcium silicate, foam glass, and PIR.
- Aluminium and stainless-steel cladding.
- Vapour barriers and weather protection.
- Removable covers for valves and flanges.
- Repair and reinstatement following maintenance.

Our integrated team ensures immediate reinstatement, improved thermal efficiency, personnel protection, and a durable finished appearance.



SHUTDOWN & OVERHAUL

Rapid Response for Critical Work

PFC manages planned shutdowns, equipment overhauls, and emergency mechanical repairs.

Our approach includes:

- Pre-shutdown surveys and scope verification.
- Detailed scheduling and work packages.
- Advance procurement and prefabrication.
- Dedicated manpower, tools, and equipment.
- 24/7 shift execution where required.
- Daily monitoring and recovery planning.
- Testing, commissioning, and reinstatement.

Our engineering, workshop, manpower, and equipment resources enable fast mobilization and efficient completion within demanding shutdown periods.



LIFTING & RIGGING

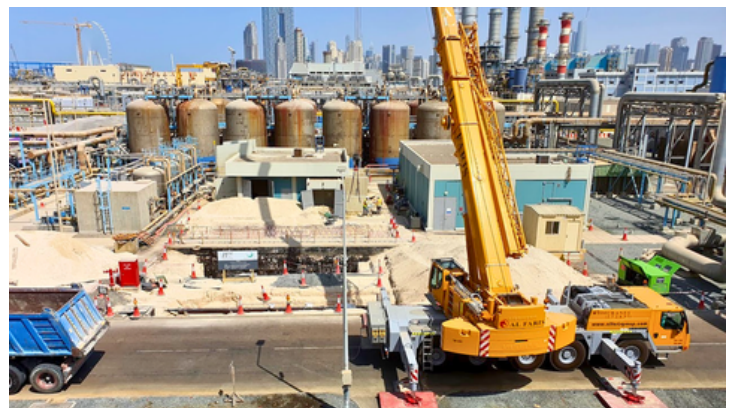
Safe and Engineered Heavy Lifting

PFC provides lifting, relocation, and erection services for machinery, vessels, tanks, skids, steelwork, and piping modules.

Our services include:

- Lifting plans and risk assessments.
- Load and centre-of-gravity verification.
- Crane selection and positioning.
- Ground and load-distribution assessment.
- Certified riggers, operators, and lifting supervisors.
- Controlled lifting, positioning, and alignment.
- Final anchoring, grouting, and installation.

Our in-house personnel and lifting equipment support faster mobilization and improved control.



SAFETY FIRST

Millions of Hours, Zero Compromise

Safety is not a target — it is a culture

PFC's Civil Construction Division has achieved millions of man-hours without a single Lost Time Incident (LTI) across active sites in the UAE. This achievement is built on constant vigilance, detailed planning, and total commitment from every individual on site.

Our teams begin each day with safety briefings, risk assessments, and method statement validations. Every engineer, foreman, and worker is certified in internationally recognized HSE programs, ensuring that every operation – from excavation to formwork and lifting – is executed under world-class safety standards.

At PFC, progress never comes at the cost of safety. Our record speaks for itself: millions of safe working hours, countless completed projects, and zero compromise.



QUALITY & GLOBAL COORDINATION

Quality at PFC is engineered, not inspected.

Every stage of construction is governed by our ISO-certified Quality Management System, ensuring compliance with global standards for materials, procedures, and documentation.

PFC works in close coordination with international material manufacturers – including Sika, Mapei, F. Willich, BASF, and Hilti – to guarantee the best possible performance of concrete, reinforcement, waterproofing, and finishing systems.

All site teams are trained and certified directly by these manufacturers, enabling PFC to apply materials exactly as per international specifications and installation guidelines.

From cube testing and slump control to coating adhesion and tensile bond testing, every quality parameter is verified, documented, and traceable. The result is workmanship that not only meets expectations – but sets new benchmarks in civil engineering quality across the region.



OUR PURPOSE AND PROMISE

At PFC Group, our purpose is clear: to deliver comprehensive, high-quality construction solutions that combine innovation, practicality, and long-term value. We operate as a single-source turnkey contractor, uniting civil, structural, restoration, and finishing disciplines under one management system. This integration provides clients with seamless execution, clear accountability, and uniform quality across every trade.

Our promise goes beyond meeting schedules and budgets. We are committed to ensuring every project we build is safe, sustainable, and built to serve for generations. Our approach reflects a balance between engineering precision and human responsibility – creating assets that stand firm, perform efficiently, and represent excellence in every detail. Through trust, transparency, and technical mastery, PFC continues to be the contractor of choice for clients who demand reliability and results.



LICENSES AND ACCREDITATIONS

PFC Group holds full contracting licenses in the UAE, Bahrain, Jordan and the United Kingdom, enabling us to perform civil, structural, industrial, and MEP works. We are certified for ISO 9001 (Quality Management), ISO 14001 (Environmental Management), and ISO 45001 (Occupational Health and Safety).

Our compliance systems are regularly audited and continuously improved, ensuring transparency and governance in every project. These accreditations represent our promise to clients – to deliver work that meets the highest global standards of safety, responsibility, and professionalism.

ISO CERTIFICATIONS



LICENSES



OUR RECENT TEAM BUILDING ACTIVITIES



Anniversary Celebrations



Honoring Exceptional Performance —Burj CEO Awards



Internal Football Tournaments



Celebrating the First CCL Championship Title



Recognized by EGA for Completing the Largest Recycling Plant.



Honored with Recognition for EGA Olympics Sponsorship



Building Team Spirit Through Cricket Tournaments



Kicking Off at the Yearly Mapie Middle East Games



Smashing Performances on the Badminton Court

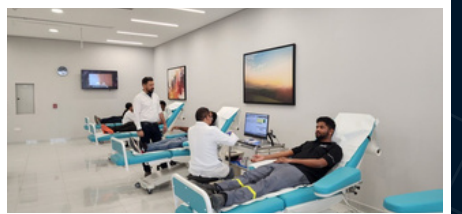
OUR RECENT COMMUNITY SUPPORT ACTIVITIES



Campus Placement Drive at Amity University



Supporting Education Through Action Care



Committed to Saving Lives Through Blood Donation



Supporting Schools with Essential Supplies



Supporting Communities in Need: Aid to Palestine



Bringing Food and Hope to Underprivileged Villages



Humanitarian Support for Earthquake Survivors



Prioritizing Employee Health with Regular Check-Ups



Providing Flood Relief Aid to Pakistan



OUR RECENT ENVIRONMENTAL ACTIVITIES



Spreading Green Awareness on Environmental Day



Cleanup Campaign to Protect Aquatic Life



Tree Plantation Drive Celebrates UAE National Day



Enhancing Worksite Hygiene Through Cleanup Efforts



Greening Initiatives in Collaboration with Tata Group



Building Green Partnerships with EGA



Celebrating 10,000 Trees Planted in UAE



Environmental Responsibility in Action with Clients



Staff Unite for Environmental Responsibility

OUR RECENT AWARDS FROM CLIENTS



Rashid Award



Appreciation from LAING O'ROURKE



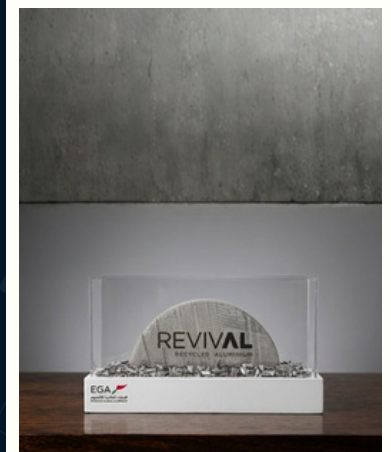
Appreciation from JUST University



Appreciation from SAEED



Appreciation from CEO Club Network



Appreciation from EGA

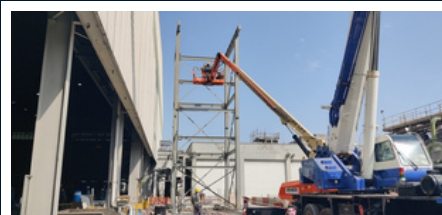
OUR PROJECT GALLERY



Storage Facility-EGA



Third Ball Mill- EGA



Industrial Structural Works- EGA



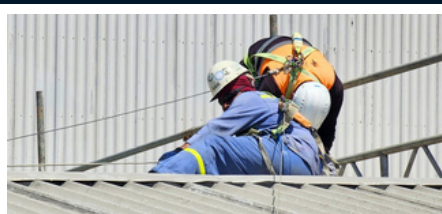
Steel Structural Works- DEWA



OBxR Sub Station Works- ATA



Casthouse Extension- EGA



Fall Arrest System- EGA



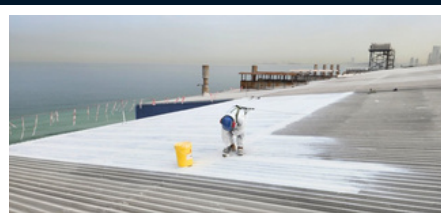
700T Structural Crane- EGA



De-Aerator - EGA



Repair & Replacement of Batch Homo & Circuit- EGA



Roof Waterproofing Works- EGA



Curtain Injection Works- Gulf Extrusions



Warehouse- KEZAD



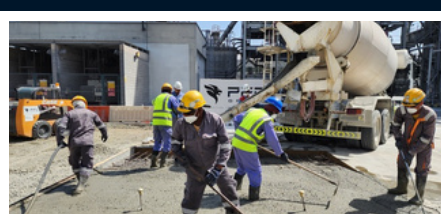
Refractory Tile Works- EGA



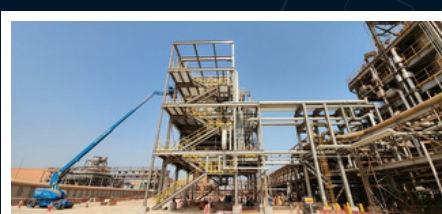
Construction of Casting Pits- EGA



Sky Light Installation- KEZAD Port



Industrial Flooring Works- EGA



Structural Foundation Works- EGA





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