

International Corporation

Realistic Innovation



Since 2013

Corporate Profile

Lead by Example

Founder Message

Petroproject

as an international Corporation trace innovative strategy to compete with the giant companies in the same field who serve the petroleum, energy and chemical industry.

The corporation has succeeded to prove their efficiency in the Middle East as an integrated consultant, starting from the Egyptian market; indeed, we have achieved good results with our customers.

Also, Petroproject has the right of way to serve the growing Oil & Gas sector and other petroleum industries in the world.



Our corporation is integrated to its Motto

Realistic innovation

- 1. We innovate.
- 2. We challenge.
- 3. We delivered

The core business was established in 2013 but within the beginning of 2016, Petroproject developed its core business in accordance with the requirements of the market and therefore the Foundation has succeeded in stabilizing its experiences in the fields of energy and industrial engineering as well as architectural.

We continue to learn, update, grow our experience and maintain our ambition and position as a leading International EPC company.

We are also growing our business in GCC area and our business strategy for expanding our activities on to Middle Africa

We take pride in our well-deserved achievements. Petroproject will continue to move forward, driven by strong ambitions and aspirations.

We will always be ready to meet the future challenges

At Glance

Establishment and Decision to Start

Petroproject was established as a British company in 2012 and provided specialized petroleum engineering consulting services in the UK.

By 2013, Petroproject expanded to the Middle East and Africa, establishing itself in Egypt. The company has successfully positioned itself as a leading engineering consultant. With a diverse team, Petroproject specializes in oil, gas, petrochemical, and chemical projects.

Current Official Establishment

Petroproject is an internationally recognized corporation under both Egyptian and global laws. Established in 2013, it has extensive experience in petroleum, petrochemical, and refinery industries, relying on its highly qualified and certified team.

The company strives to be one of the leading EPC (Engineering, Procurement, and Construction) contractors in Egypt and globally. It integrates modern management tools to ensure high-quality project outcomes.

With a strong commitment to quality, Petroproject maintains internationally recognized certifications and a well-documented Quality Management System.



Employees first - Executage a fun, social and inspiring work environment. - The freedom to work anywhere and set individual schedules. - Premote exploration and diverse ifens. - Premote exploration and diverse ifens. - Premote exploration and diverse ifens. - Will make will create will make our services best of bred at the forefront of technology.

Petroproject General Philosophy

Petroproject follows a smart management philosophy based on:

- HSE (Health, Safety, Environment) management
- QA & QC systems
- Team development and organization
- Advanced technology and equipment
- Diverse resources

As a recognized international EPC contractor, Petroproject excels in offshore and onshore projects. Its integrated maintenance system ensures asset longevity, reduced costs, and minimal downtime.

Accreditations and HSE Methodology

Petroproject is committed to health, safety, and environmental (HSE) excellence. Continuous employee training, risk assessment, and safety protocols have led to outstanding performance indicators.

The company holds ISO 14001 and OHSAS 18001 certifications. It adheres to global engineering standards such as ASME, ANSI, API, ASTM, and IEC, ensuring the highest levels of quality and compliance



Core Business

Business Conceptual Framework

One of the strongest factors for success is that companies are built on a clear, strong, and competitive business core that provides an honorable model capable of facing challenges, innovation, and continuity.

Therefore, Petroproject has defined its business core based on the experience of its founders and has carefully chosen what it offers, prioritizing success and excellence over mere quantity.

Petroproject's Services Fields



Oil & Gas and Refinery Sector

Onshore and offshore oil and gas projects are the main activity of Petroproject, officially starting in 2013. Petroproject earned a strong position in the market by maintaining international quality standards.



Petrochemical Industries

By 2016, Petroproject expanded to petrochemical projects, successfully implementing urea, ammonia, and phosphate industry projects, ensuring consistency with industry development.



Chemical Industries

By 2018, Petroproject delivered its first chemical complex for liquid and powder detergents, proving its administrative efficiency and adaptability across industries.



Water Treatment Sector

In 2021, Petroproject embraced sustainability by excelling in water treatment services, industrial water recycling, and eco-friendly asset management systems.

Business Growth



÷	Revenue	0.3 M	0.8 M	1.7 M	2.9 M	4.3 M	6.9 M	7.1 M	5.1 M	5.5 M	8.7 M	11.3 M	13.9 M	16.8 M
Growth	ROI	10.30%	12.70%	11%	9.90%	7.80%	8.80%	9.30%	7.70%	7.20%	9.70%	11.50%	12.10%	13%
Business (Market Stability	41%	40%	49%	43%	38%	52%	54%	31%	44%	53%	57%	61%	67%
Bus	Business Stability	18%	38%	38%	51%	53%	62%	72%	59%	63%	72%	77%	81%	85%
S	Services	•	•	•	•	•	•				-		•	•
Core Business	Manufacturing									•	•	•	•	•
B	EPC Projects						•	•	•	•	•	•	•	•
iem	Traditional	•	•	•	•									
System	Computerized				•	•	•	•						
Administration	Intelligent								•	•	•	•	•	•
minist	Accreditations				•	•	•	•	•	•	•	•	•	•
Adr	ERP System									•	•	•	•	•
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025

Strategy

The corporation master strategy appears clearly through the reaction of ...

Values and Behaviors VS Responsibility and Discipline

The strategy built on: Keep the smart understanding of...

Continuity Vs Profitability

THE MISSION ... was built on the actual understanding of ... WORLDWIDE

Which requires interacting with an intelligent

VISION ... based on the true meaning of ... EXCELLENCE

The Right SUCCESS

Completed and Developed By

Smart Policies

Accreditation

True

Competency System ISO 9001:2015 Marketing Strategy AMI, PAS 55.

EPC Management Team Certification Vs Qualification



Inside Strategy

Transforming to an integrated EPC company.

We are investing in today's energy and industrial system – while helping build out tomorrows.

All in service of growing the value of Petroproject.

Our Business Groups

This is how we are organized to deliver our strategy and create long-term shareholder value.

Our three business groups are supported by four integrators to facilitate collaboration and unlock value: Innovation & Engineering, Regions, Corporates & Solutions, Strategy, Sustainability & Ventures, and Supply, Trading & Shipping.

Additionally, three core teams serve as business enablers: Finance, Legal, and People & Culture.

Petroproject Business Model

What makes us different

Petroproject believes we have the scale, global presence, and expertise to navigate complex markets and manage increasingly integrated project systems.

People and resources

These are some of the people and resources in our business model that support how we create and preserve value for our stakeholders

Integrated EPC

The energy and industrial system are changing continuously.

Our customers no longer just want a product, they want a solution. As an integrated EPC company, we aim to provide our "Know How" in whatever form they need it.

Whether it's large-scale or small-scale productivity, we've got it covered.

We are focused on driving long-term customer value.

Teamwork

Our slogan

We lead by Example.

Petroproject has taken a clear path to reach an independent thought and culture that relies mainly on an integrated work team at the level of ethics, cooperation, and integration.

Over more than 10 years, starting from 2013 to 2024, Petroproject has dealt with more than 500 employees with various specializations and experiences, all of whom we appreciate. The organizational structure has been updated more than three times to keep pace with the speed of the era.

Petroproject has succeeded in overcoming challenges and proving its presence among the strongest competitors. This is what makes us worthy of being an example to be emulated by anyone who wants to follow our path.

We provide support to everyone who wants to.



Petroproject Teamwork

Own a set of principles that drive our day-to-day business activities.

They are the backbone of our corporate culture and reinforce our mission, vision, values and ensure our motto.

Team Concept

Integration One [Team and One Body]

Innovation

[Professionalism and Copywriting]

Empower

[In Position and In Decision]

KPIs

[Personality and Skills]

Team Vs Realistic Innovation

90% of innovative projects are meant to fail most of the time.

Why is this?

Part of the answer lies in the special "innovation teams" who are mandated with finding breakthrough growth in large corporations.

Setting the teams up for success is vital, yet corporations often fail when doing this. That is why our corporation has hired an innovative team who can relate this innovation to the real world.

They understand the difference between good and bad conflict, always setting goals and measuring progress, and have the mentality to think as if they are startup entrepreneurs, fully committed and motivated.

Team Vs Market

The business plan is set, strategy thoughtfully documented, and funds are in place.

You are ready to go to market or even poised for explosive growth.

But are you surrounded by the best possible teammates to make the dream a reality? Our corporation consists of a cadre of talented business team who perfectly fit vital roles.

Organization

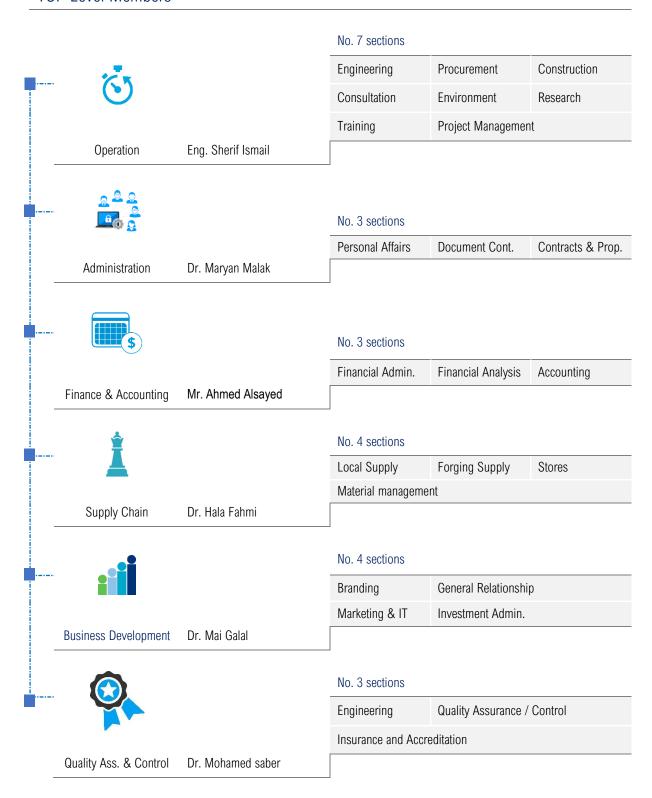
Built on:

Ability and Merit

Everyone has been able to get success but how to invest them through intelligent and strong organizational system

"Try Petroproject Professionalism"

TOP Level Members







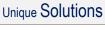
PETROPROJECT MAIN SERVICES



The Main

Services

Petroproject is committed to

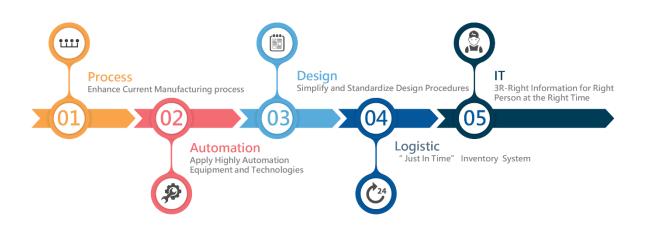








Production automation



...... Service Managerial Systems



Risk Management System



Quality Engineering System



Time Management System



Cost Management System



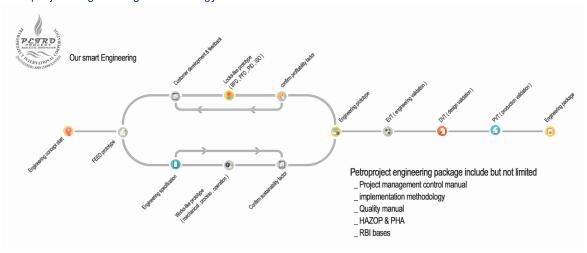
Engineering

The slogan

Design Vs Realistic Innovation

Petroproject adopts an integrity system combining engineering philosophy and applicability to cover any requirement of engineering markets.

Petroproject engineering methodology



Fields that we serve



Oil & Gas Plant



Refinery Plant



Green Energy Plant



Petrochemical Plant



Nuclear Plant



Power Plant



Water Treatment



Architecture

Our Engineering Services Cover but not limited ...

Storage Tanks
Fixed Roof tanks
Floating Roof tanks
Under Ground Fuel tanks
Gas Spheres tanks

Flow Systems
Piping System
Pipeline Systems

Pressure Vessels Separation systems Heating & Boiling Cooling System Distillation System Steel Structure Pipe-Racks Steel Workshop



Consultation

The slogan

Academy Vs Practical Solution

Our engineering consultation Serve all engineering business to ensure the efficiency and production quality as well as qualifying those companies for the modern management systems.



Our consultation service Includes but not limited

Asset Integrity [AIM]

Our AIM experts provide customized solutions at any level in the development and implementation process.

- Program development
- Program Management
- Resources to implement
- Program Gap analysis

Risk Based Inspection [RBI]

Our methodology in RBI, [how to control corrosion risk vs production economics under the full integration level with asset management [AIM]

Safety Integrated Level [SIL]

(SIL) assessment determines the effectiveness of safety systems based on the probability of tolerable incidents that can occur within several processing demands. With our experience in hazard and risk management, Petroproject are extremely well placed to deliver SIL assessments.

The determination of Safety Integrity Levels (SIL) for safety components and systems is part of Petroproject's overall Quantitative Risk Assessment (QRA) service.

Petroproject conducts SIL studies in accordance with International standard IEC 61511 and has conducted studies for numerous customers over a wide range of projects

HAZOP and PHA

We offer Process Hazard Analysis studies, PHA studies including Hazard and Operability studies, HAZOP studies, and as part of the risk analysis process Set up to identify and evaluate the potential undesirable events that may create hazards or operability problems [i.e., risk to personnel and potential damage to assets, the environment, and the reputation] of the plant / site.

Rig Inspection

Petroproject offers high professional level of all drilling rig inspection works, including super drilling rig, work-over rig and truck mobile rig.

Our inspection activities are running depending on the true understanding and application of API STD 580, 581 and other related standard and certified inspectors.



Construction

The slogan

Safety, Quality, Time Vs Cost

The scale, technical complexity and financial demands of today's projects require a construction partner with comprehensive, field-tested execution tools and systems that mitigate risk and deliver predictable results.

Our Construction Concept Actual and Smart Delivering by Smart Work

Petroproject Construction Methodology

Direct Hire Construction

A legacy of direct hire execution delivers safe, reliable, cost-effective solutions where and how you need them.

Construction Management

Petroproject brings the full force of its worldwide execution resources to your CM project, planning the work, mitigating risks, and driving to successful completion — anywhere, anytime

Petroproject construction management services include:

- 1. Pre-construction planning
- 2. Contract preparation, negotiation, and award
- 3. Administration of construction contracts
- 4. Field engineering
- 5. Construction QA/QC services
- 6. Industrial relations, safety, and security
- 7. Material control and procurement assistance
- 8. Administrative support
- 9. Project accounting
- 10. Scheduling
- Pre-commissioning, commissioning, and start-up assistance

Commissioning & Startup Service, CSS

Beginning with the end in mind during early EPC planning and development, Petroproject drives efficient, flawless plant start-up and increased levels of operability and maintainability

Petroproject CSS approach includes a full range of integrated tools and services:

- Plant startup and performance testing
- Reliability modeling and programs, including RAM analysis
- Development of operations manuals, procedures, and checklists
- 4. Technical training for operators and maintenance personnel
- Competency-based job profiles and training programs to comply with local, regional, or international standards
- 6. Technical audits of existing facilities for reliability and availability
- 7. Consulting services for long-term operations and maintenance



Construction ... Continue

The slogan

Safety, Quality, Time Vs Cost

The scale, technical complexity and financial demands of today's projects require a construction partner with comprehensive, field-tested execution tools and systems that mitigate risk and deliver predictable results.

Petroproject Construction Methodology

Modularization & Fabrication

Offshore or onshore, greenfield or brownfield sites where project economics favor a modular solution Petroproject delivers.

Comprehensive services:

- 1. Material control
- 2. Interface management and oversight of fabrication yards
- 3. Module logistics to site
- 4. Transportation on site, including haul road design, port management.
- 5. Dimensional control/hook up
- Underground space management (including foundation design)
- 7. Module sequencing planning

Project Execution

Petroproject integrated project execution tools and systems deliver predictable, consistent results, eliminating schedule delays, quality and safety issues that can impact your return on investment.

Execution Tools:

- Constructability Delivering cost and schedule efficiencies from Day One
- Workface Planning/Last Planner optimizing the flow of materials and resource to the work front
- 3. System Turnover a proven tool assuring smooth start-up
- 4. Certainty of Labor the right people, when and where you need them

Craft Recruiting & Development

The methodology:

- 1. The right people with the right skills
- 2. Training and Development
 - a. Petroproject experienced craft
 - b. Qualified applicants
 - c. Craft outreach and development
 - d. Career and technical programs
 - e. Welder development
 - f. Cross-industry training
 - g. Quick train
 - h. Task-based training (rapid response)
 - i. Multi-craft training
 - i. Global workforce



Supply-Chain

The slogan

Delivery Vs Excellence

Leveraging vast market knowledge and supplier relationships, we deliver proven procurement strategies to substantially reduce supply chain costs and deliver the lowest total cost of ownership for your project

Our proven procurement strategies

Designed to control cost and schedule, combined with our robust material management systems and procedures and reliable real-time reporting, have substantially reduced supply chain costs in the most challenging environments.

Our Procurement Methodology



Logistics Optimization & Management

Petroproject's solution-based supply chain strategies have been used to transport billions of tons of freight over millions of miles, helping to reduce TIC and maximize project value.

Petroproject Contract Management System [PCMS]

Integrating the subcontract lifecycle through an E-solution approach, PCMS streamlines work processes to achieve efficient contract management

Supply Chain Pillers

Suppliers

Petroproject's collaborative relationships with key suppliers worldwide allow us to secure availability and achieve lower cost.

Materials Management

Petroproject's leading procurement systems provide unparalleled transparency of equipment and materials throughout the supply chain to the work front



Global Inspection & Expediting Services

Promoting 100% transparency into supplier design and fabrication processes ensures "right first time" execution.

Strategy Foundation Model for Petroproject **SUPPLY-CHAIN**Sustainability





Project Management

The slogan

Reliability Vs Quality Assurance

We adopt a smart philosophy in project management and controlling that compatible with the fifth generation of administration to ensure sustainability and profitability



We offer best solution for project management and controls by achieving the target from the relation between the project pillars

..... Our strategy built on

Achieve Sustainability	Think Econo	mics	Get Reliability	
	Our Team	Client's team tra	aining	
Certifie	ed and Qualified	Maintenance strategy		
Res	pect technology	Validation Think		
P	Personality skills	Life cycle costing		
	Realistic think			





Environment

The slogan

Sustainability Vs Profitability

Keep Environment" this is not only a slogan, but this message also which how to invest your stability to get more profit

" How to kill the cost risk by environment?"

We Provide

A full range of environmental services and is recognized as an industry leader delivering innovative waste collection and treatment services for petroleum waste, solid waste, hazardous waste, and other specialized materials

Petroproject Services

Sludge Removing

Have the excellent mechanical pneumatic system for removing the internal sludge from petroleum facilities with keeping health and matched to HSE requirement, and have the circulation system to produce the organic fertilizer from this sludge, In generally Petroproject offer integrity system to keep environmental and human health and safety

Bioremediation

Each day about 97 million barrels of oil is produced. Even though there are strict environmental requirements for companies working with oil-based products, the contamination is nearly impossible to avoid when oil is extracted, transported, refined, and used Materials



Petroproject Environmental Technology Old technologies are no longer enough

Contamination liquidation techniques, such as incineration or chemical treatment can no longer meet modern environmental requirements. Society is pressing companies

Our technology

We apply the update generation bioremediation technology for oil contamination. The microorganisms in our system use hydrocarbons from oil as source of food and decompose them into harmless substances: water and carbon dioxide. High concentrations of oil contaminants usually kill microorganisms. Our technology is exclusive and despite big concentrations of oil hydrocarbons it works effectively [even at 300 g/kg]. Moreover, our technology can handle any type of oil pollution: old contaminants, sludge from oil refineries, polluted soil, and water etc.



Research

The slogan

Technologies Vs Economics

"Studying Errors "and finding the balance between technology, cost, and practical solution for enhancing industries in an economic, balanced, and stable way

We specialized

In "Know How" methodologies, not only in application but also in SWOT analysis tools and results interpretation in true understanding How to manage condition Vs results



Petroproject "Know How" Built on ... Economics Vs Profitability

Risk ... !!

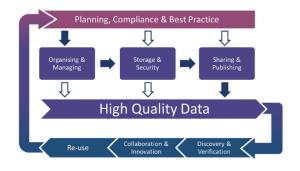
Based on customers' available tools and by application fifth generation mythology, the risk level is easy to adjust in green area

Solution

It is good to get solution and the even better to apply it, but the greatest is to invest this solution for profitability Our system support this strategy

We evaluate the risk level based on:

- a. Think
- b. Integration
- c. Analysis Vs interpretation
- d. Solution Vs Application
- e. Cost Vs Productivity





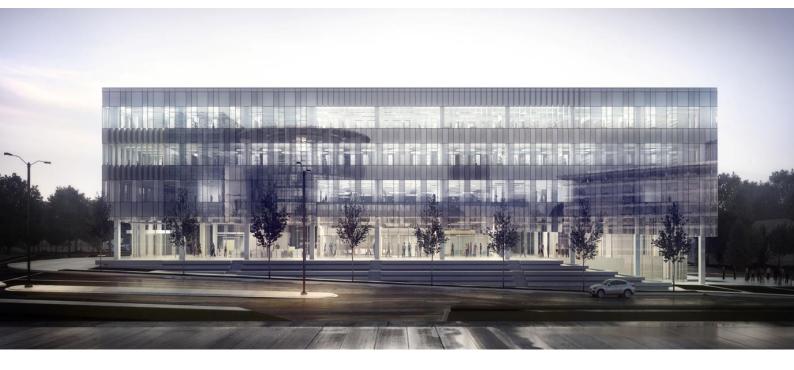
Architecture

The slogan

Creativity Vs Reality

Just not a design but a magic touch gathering the creativity and reality to apply your request

"Really we are specialized"



Petroproject Provide

Architecture How to use your area Interior Design Feel your choices Land Scaping
Draw your nature

Exterior Design Be specialized





Training

The slogan

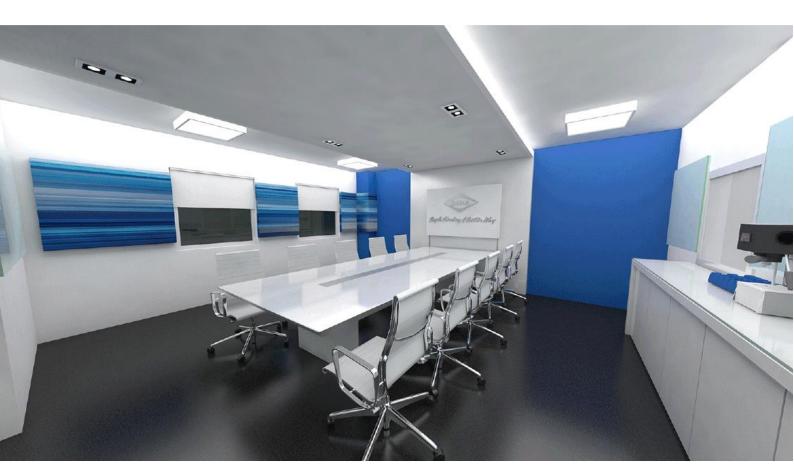
Certification Vs Qualification

Our training philosophy built on providing the "Practical solution" by highly qualified and certified instructors "Academically & Practically "Plus the international experience

Petroproject aims to share its experience through these programs helping others to improve and step up, we provide our clients with various categories of programs "General & Top Management, finance, corporate governance", also Mechanical, process, corrosion, welding programs, etc....

We lead by example

in our diversity, variety, reliability & Excellency training programs



Our service characterized

- A best location in Egypt, Eastern Europe, and South-Eastern Asia
- 2. Modern five-star meeting room,
- 3. Accredit training material copied on tablet.
- 4. Provide our participants with a competitive price

Our Programs

Petroproject training programs are classified in accordance with international market requirement which help you to improve and develop your career Which makes you able to compete globally professionally and administratively.

Each program has a flexible detailed outline to clarify all topics that shall be trained.

Check our attached file for our annual training program list



Petroproject HSE

Serving as our guide to ensuring safety and accountability on any undertaking, Petroproject's Zero Harm philosophy has enabled consistent safety performance all over the world

Sustainability Philosophy

Sustainability is fundamental to all Petroproject's activities, guiding our approach, our people and informing our global activities to protect our environment for future generations.

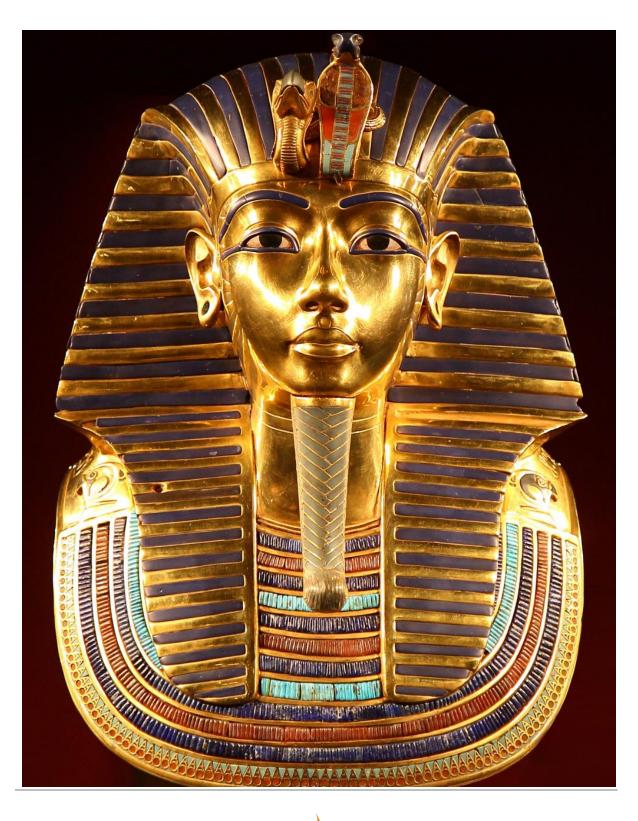
Solution Digitalization

With rule-based designs, automation, artificial intelligence, and cognitive machine learning, Petroproject is embracing new technologies to make our clients' projects successful.



PETROPROJECT

always providing innovative solutions to overcome new challenges.





PETROPROJECT MANUFACTURING



Petroproject Workshop

Safety	First Choice		
	Quality	Our Mandatory	
		Time	Logic
		Competitive	Cost

Petroproject Always Ready and Challenge



We Offer but Not Limited.....

A Static Equipment Fabrication

B Mechatronics Maintenance Works

C Dynamic Equipment Woks

D Corrosion Protection Activities

E Structural Steel Works

F Vacuum Homogenizing Systems

G Heat Exchanger Manufacturing

H Pressure Vessel Manufacturing



Facilities

Service Vs Productivity

Selection Methodology

Our Equipment Guide

Calibration Vs Modernity

Effective Vs Safety

Petroproject Have Ability, Capability & Capacity



Welding Machines



Inspection Tools

Ε



B Cutting Equipment



D Tube - to - Tube Sheet Orbital Welding Machin





Certification & Qualification

Standardization in Productivity

Competency



Globalism

Aim to Uniqueness

Our people Keep Our Strategy

ISO Certification, 9001:2015

Our Quality management systems. QMS, Benefits

- Boost staff performance and overall productivity
- Flesh Out Our Company's Processes
- Reduce Waste and Improve Efficiency
- Provide improved customer experience





ASME Certification

Our subsidiary holds the ASME U-Stamp which gives us the ability to manufacture and work on unfired pressure vessels.

Petroproject acquired the ASME U-stamp in 2020 and has in progress for approval in the regular audits.

The U-Stamp represents ASME's section VIII Division 1: rules for the construction of pressure vessels.

To obtain the U-Stamp, Petroproject Fab was required to meet ASME's guidelines for the design, fabrication, inspection, and testing of Pressure Vessels.

To maintain the U-stamp, we regularly update our designs and fabrication processes while undergoing routine examinations and inspections.



Our Team Qualification and Certification

Our philosophy to select and upgrading our team to be more certified and qualified to get the following, Benefits

- Providing knowledgeable specialized inspectors
- Establishing a minimum standard of knowledge and skill for the personnel
- Providing higher management control of inspection practices
- Increasing employer's confidence and peace-of-mind
- Helping maintains safety and high level of performance
- Reducing potential for downtime because of equipment failure



























Activities

HEAT EXCHANGER

Shell and Tube Types

TEMA Specifications



Petroproject
Challenge and compete









Manufacture Methodology

- Fully Automatic Machining
- Fully Automatic Welding Process
- Fully QA/QC System

Material in Use

- All Carbon Steel Material
- All Stainless-Steel Material
- All Alloying Material

Supporting Code and Standard

The main applicable Manufacture code is TEMA standards on behave of ASME Codes for design and engineering recommendation

Other codes may be used,

ASNT & AWS for welding process & NACE, ASTM and ASM for material and corrosion parameters



Activities

PRESSURE VESSEL SYSTEM

All Systems

ASME & API Standard



Petroproject Respect
Quality Vs Accreditation









Process Applications

- Separation System
- Gassing System
- Scrubber System
- Reactors and Day-Tanks
- Nitrogen Vessels
- Mud Tanks

Work fields

- Oil and Gas Fields
- Refinery Fields
- Petrochemical Fields
- Water and Power Fields
- Drilling Rigs

Petroproject seamless pressure vessels offer both off-the-shelf options as well as bespoke systems that are designed and developed to adhere to a client's specific payload and space requirements.

Whether custom made or standard, each of their seamless pressure vessels are designed and engineered to comply with tight regulations whilst being cost effective, and most importantly, safe.



Activities

MOBILE TANKS SYSTEM

All Systems

ASME & ASTM Standard



Petroproject Respect Reliability Vs Integrity



Types / Usage	Specification	
Water Tanks	Design Standard	API RP 620, EN 12285-1
Fuel Tanks		
Storing use oil tanks	Material in use	According to ASME II and ASTM Specification
Industry Processing tanks		
	Protection system	Sand blasting with the degree of Sa 2.5 according to PN-ISO 8501-1, and they are covered with an ENDOPRENE topcoat that ensures a perforation resistance up to 14 kV and the durability over time Any coating system certifed by NACE
	Gaurantee	Minimum 5 yars and up to 20 years lin depending on client requirement
	Document Package	Accridit drawing and QC/QA Report Operation manual if any Troubleshooting and maintenance manual if any



Workshop Activities

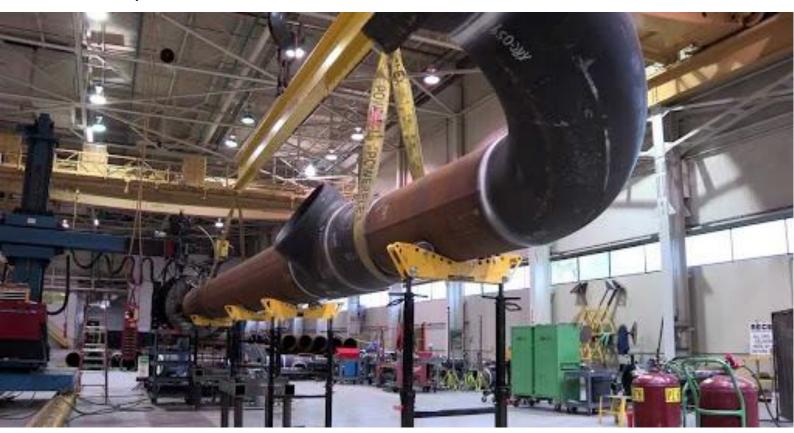
PIPING PREFABRICATION

All Systems

ASME & API Standard



Petroproject Balance
Quality Vs Time Vs Cost



The big advantage to shop fabrication is the controlled environment in which it's done.

This includes the Quality Control aspect, better equipment (generally speaking), a routine methodology of how a piece of work progresses through the shop, and better control, through a developed routine, of required documentation.

Our Workshop Covers

1	Design and Engineering Varification	7	Detail marking
2	Material Receiving and identification	8	Heat-treatment activities
3	Storage and handling process	9	Inspection works and repairs if any
4	Marking and cutting activities	10	Documentation process and control
5	Tagging activities	11	Quality control and assurance process
6	End preparation and Squarness	12	Treaceabilty if required
7	Welding process	13	Protection process

We Already Delivered



Activities

PRODUCTION SKID SYSTEM

All Systems

Global Specification



Petroproject Rule Value Vs Asset



Fully EPC Activities



Engineering

Petroproject adopt an integrity system combining engineering philosophy and applicability to cover any requirement of engineering markets



Procurement

Leveraging vast market knowledge and supplier relationships, we deliver proven procurement strategies to substantially reduce supply chain costs and deliver the lowest total cost of ownership for your project



construction

The scale, technical complexity and financial demands of today's projects require a construction partner with comprehensive, field-tested execution tools and systems that mitigate risk and deliver predictable results

Our Activities Cover

Mechanical Electrical Instruments Control Pro	otection
---	----------



Activities

STEEL STRUCTURE

All Duties

Global/Client Specification



Petroproject aims to Productivity Vs Safety



Design for Economic Fabrication

Specification Bay Size Complexity Material Architectural Quality Documents

Petroproject Duties

Materials and components

Sections and plates

Bolts

Proprietary products

Coating systems

Cold-formed sections

Handling and transportation

Normal loads Abnormal loads Special order

Preparation and Pre-Fabrication processes

Stockyard
Shot blasting
Cutting & drilling
Bending & Tee splitting
Profiling of tubular sections

Quality management

BCSA Steelwork Contractor membership Steel Construction Certification Scheme Steel Construction Sustainability Charter Steel Construction Building Information Modelling (BIM) Charter

Welding Process

Manual Metal Arc welding (MMA) Metal Active Gas welding (MAG) Submerged Arc Welding (SAW) Non Destructive Testing (NDT)



Activities

FIREFIGHTING FOAM BLADDER

All Duties

Global/Client Specification



Always Be Safe

Foam Bladder Tanks

Bladder Tanks are the main component in a balanced pressure proportioning bladder tank system, which requires no outside power source other than an adequate water supply.

The Bladder Tank is a carbon steel pressure vessel with an internal reinforced neoprene rubber bladder resistant to the corrosion of the water and of the foaming agent with which it is in contact.

Bladder Tanks are available in both vertical and horizontal versions in multiple sizes and with foam inside or outside the membrane.

The Foam Bladder Tank serves as a pre-mixing system through a very simple mechanism: the water coming from the water network pressurizes the tank, pushing the foam concentrate contained in it to a mixer of venturi type. Here, the foam concentrate is in contact with the water, forming the foam mixture that will be channeled to the pipe of the distribution network.

Product features & benefits

- Complies to ASME VIII div 1 and PED EC 2014/68/EU
- Suitable for seismic Zone Level 2b UBC-PGA 0.25g
- Neoprene-Hypalon membrane
- 18 inches. manhole for easy maintenance
- Safety pressure relief valve calibrated to the design pressure
- Visual level indicator
- Integrated check valve on foam pipe
- UL APPROVAL for any size & configuration Mod. H, HI, F, FI
- ASME U stamp Optional

Typical product applications

- Offshore helideck Protection
- Off-Shore Oil/Gas Pumps
- On-Shore Transfer Pumps
- Fixed Roof Storage tanks
- Floating Roof Storage Tanks
- Power Generation Plant transformers
- Power Generation Plants Oil Pumps





Activities

FIRE-FIGHTING PUMPING SKID

All Duties

Global/Client Specification



Always be legal

Foam Skids & Systems

Foam skids and systems are recognized as the optimum solution for fighting Class B hydrocarbon liquid fires, foam systems are used extensively in the oil & gas sector

Foam Concentrate

The critical component of a foam system is the foam concentrate, which is mixed with water in a predetermined percentage, as defined by NFPA 11 and other industry standards to create a foam solution.

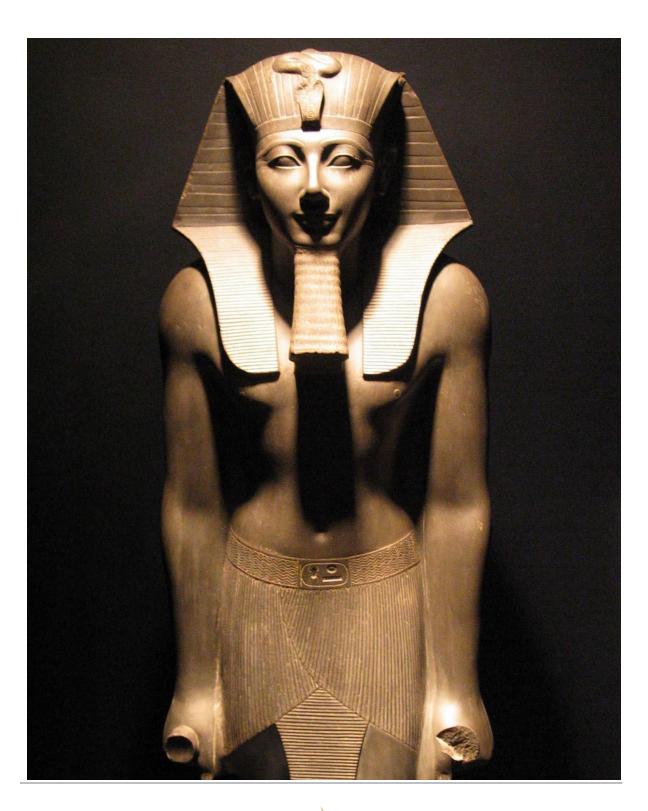
With several methods of mixing (proportioning) the foam concentrate,

Foam Mixing Device

We design the complete system around the type of foam mixing device selected, so that we can ensure correct operation and give you the preferred level of control and automation.









PETROPROJECT EPC PROJECTS



EPC Projects

Plan	Managing resources
Do	Measuring Performance
Check	Trying Improvement
Act	Applying Monitoring

we Delivered

Our Slogan

PMP Strategy VS Client Satisfactions

A Project Initiation and Concepts

Overall strategic planning Needs analysis Curriculum design and delivery Staff goal setting and evaluation Provision of team services and support services

B PMP Methodologies

Integration Management
Scope Management
Schedule Management
Cost Management
Quality Management
Resource Management
Communications Management
Risk Management
Procurement Management
Stakeholder Management

C Project Close-Out

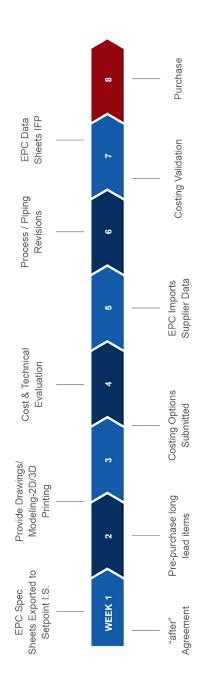
Administrative Closure
Contract Closure
Verify Acceptance of Final Project Deliverables
Conduct Post-Project Assessment & Lessons Learned
Conduct Post-Project Review & Evaluation
Recognize & Celebrate Outstanding Project Work
Complete & Archiving Final Project Records
Ensure Transfer of Knowledge

D Sustainability

We Respect, understand and Apply [True Profit VS Risk Based Think]

E Customer satisfaction

A True reflection of our corporation value and volume [Back-to-Back] Evaluation





EPC Projects

Detergent Powder Plants

Detergent Powder production systems generally can be divided into the following units according to the technological process and equipment function



We Offer

A The raw material storage and delivery unit of detergent powder

The liquid raw materials mainly are straight-chain dodecyl benzene sulfonic acid [LABS], liquid caustic soda and sodium silicate, if using fuel oil as heat source, then there are four kinds of liquid materials

B Measurement unit of detergent powder raw material

Measurement unit of liquid raw material

Liquid raw materials of detergent powder mainly are processed water, liquid alkali, sulfonic acid, sodium silicate, high-molecular polymer etc. Measurement methods of liquid raw materials are manual / Automatic measurement that use glass level gauge, manual measurement that use platform scale or weighing scale and automatic measurement that use weight sensor.

Measurement unit of solid raw material

Solid materials measurement methods usually are manual measurement and automatic measurement, manual measurement depends on the packaging specifications of solid raw materials

C Slurry Preparation Unit

Slurry preparation unit including frontier blending process, filtering process and aging process. Frontier blending process, Slurry filtration process and Slurry aging process

D Spray drying Unit

Spray drying units include slurry transportation, spray drying, gas stripping, sieve grading process.

E Spray drying Unit

To improve the comprehensive performance of detergent powder, we need to add other raw materials, such as perfume, color-enzyme, non-ionic, whitener, TAED, antifoam agent, etc. As these raw materials may vaporize [such as perfume, non-ionic, etc.] and decompose [such as enzyme, whitener, etc.] at high temperatures, can't be added to slurry in frontier ingredients, can only be added to detergent powder in post blending.



EPC Projects

Detergent Liquid Plants

Petroproject offers an integrated system which covers more than 150 products starting from raw materials preparation, metering, mixing, homogenizing and packaging.

Petroproject system is matching detergent Liquid and Cosmetics industries.



We Offer

A Raw materials and utilities

The main raw materials used in oil and soap industry are seeds, such as cottonseeds, soybeans, sunflowers, or fruits such as olives and palm. Also, palm stearin, palm oil, animal fats, and calcium silicate are used for soap production. The chemicals used are caustic soda [NaOH], sodium silicate, sulfuric acid, hexane, fuller earth [bleaching agent], perfumes, coloring materials, coagulating agent (alum), molasses or vinasse for animal fodder, citric acid, antioxidant and phosphoric acid, and sodium chloride. In synthetic detergents manufacturing the following chemicals are used: Long chain paraffins [C10 - C18] such as kerosene or linear alkyl benzene, sulfuric acid (commercial or oleum), caustic soda, sodium tri polyphosphate, fatty alcohols, sulfated fatty alcohols, sulfated acids and esters, alkyl aryl compounds, aliphatic poly hydric alcohol esters, fatty acids amides, chlorine gas, catalysts such as iodine or aluminum chloride. Sodium silicate, sodium carboxy cellulose, fluorescent, dyes, enzymes are used as additives.

B Petroproject Vacuum Homogenizer Mixer

Petroproject vacuum homogenizer mixer, also called vacuum homogenizer machine,

It's the most advanced homogenizer machine, is designed in accordance with European specification and is especially suitable for making big batches of liquid detergent, chemical industries and emulsions with large quantity of powders

C Fully Automatic Packaging Lines

Automatic Filling Machine Automatic Capping Machine Automatic Labeling Machine

Automatic Cartooning System Machines



EPC Projects

Sodium Hypochlorite Generation

Sodium hypochlorite, commonly known as bleach, is most frequently used as a disinfecting agent. It is broad-spectrum disinfectant that is effective for the disinfection of viruses, bacteria, fungi, and mycobacterium.

Petroproject Sodium Hypochlorite Generation System is Cover the complete chemical Generation and Electrochemical Generation



We Offer

A Reactors - Day Tank

Sodium Hypochlorite Reactor Tanks are manufactured from CPVC, HDPE, XLPE, and FRP materials at 1.9 specific gravity. Secondary containment is required.

Bleach is best stored out of direct sunlight, at temperatures below 60°F, filtered and diluted with pH kept above 10. The reactor tank capacities range from 10,000 to 26,000 Liters.

The reactor tank is designed for internal pressure up to 10 Bar with complete operated nozzles. Which serves automatic operations. The reactor tank is also designed for generations of sodium hypochlorite by Chemical and Electrochemical reactions.

B Titanium Heat Exchanging System

Shell & tube heat exchangers made from titanium alloys [TA2 or another grade] are very special for chemical processing plants, chlorate manufacturing facility, sulfur recovery units, hydrocarbon processing facilities, desalination processes, power generation and many other applications, where heat exchangers shall work under acidic and/or high-temperature conditions.

C Electrochemical Sodium Hypochlorite Generator

Electrolyzing and Membrane cell

Sodium Hypochlorite Generator works on electro chlorination chemical process which uses water, common salt and electricity to produce Sodium Hypochlorite [NaOCI].

The brine solution [or sea water] is made to flow through an electrolyzed cell, where direct current is passed which leads to Electrolysis.

This produces Sodium Hypochlorite instantaneously which is a strong disinfectant.

This is then dosed in water in the required concentration to disinfect water, or to prevent Algae Formation and Bio Fouling.

D Fully Automatic Packaging Lines

Automatic Filling Machine Automatic Capping Machine Automatic Labeling Machine

Automatic Cartooning System Machines



EPC Projects

Drinking Water Stations

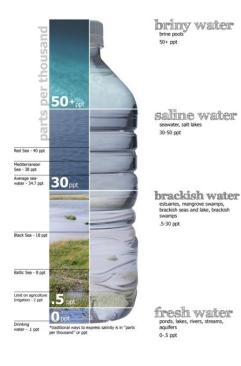
Building a sustainable future for all. By minimizing water costs, eradicating waste, and preventing pollution. This means recycling 100% of wastewater, a net-zero footprint, renewable energy, and sea-water mining.

Water must stay where it belongs – in the wild.



We Offer

A	Seawater desalination
В	Brine processing plant
С	Potable water storage
D	Transmission & storage
E	Wastewater plant
F	Resource recovery





EPC Projects

Sewer Water Stations

Right after the planning of your wastewater treatment system, which goes along with detailed analysis, various approval procedures and preliminary investigation of all relevant parameters we now proceed with the construction of the plant.



We Offer

A Project Management and Portfolio

we offer our customers full project management for the construction of the plant including the respective periphery such as pumps, fittings, measurement, and control technology. Due to our customers 'high demands for quality certain key components for our wastewater treatment are made internationally and match the highest quality aspiration.

B Construction of Wastewater Treatment Systems – Software Development and Panel Building

The data driven operation of the plant simplifies the usability and shows optimization potential. Our team specializes in software development with respect to the programming of your plant control and automation system. Furthermore, we assemble the switch cabinets. Installation, wiring, electrical connection, and testing are also done by our colleagues at site.

C Start-Up and Process Optimization of Your Wastewater Treatment System

Oftentimes the equipment for wastewater treatment and the commissioning of new productions starts simultaneously. During this time the Petroproject Environmental Experts of specialists in chemistry, biology and engineering provide the basis for an optimum production start. The system is adjusted to your individual process parameters.

D Installation of Your Wastewater Treatment System

Our experienced site managers and technicians manage the building of the wastewater treatment plant in cooperation with all required trades. This includes:

- Dismantling of existing plants (if necessary)
- Pipe installation in stainless steel and/or plastic
- Electrical installation
- Installation of aggregates
- Provision of assembly equipment
- Testing of the installed system (density control, weld inspection)
- Panel position and connection
- Cabling of all components
- Testing of all electrical components



EPC Projects

Water Piping Networks

Reliable water pipping networks



We Offer

A More supply of supply with trenchless water main installation

The water industry worldwide faces the constant challenge of securing the supply of high-quality drinking water and adapting the capacities of the pipework system to increasingly growing customer demand. To ensure this, while keeping costs for utilities and consumers as low as possible, trenchless technologies offer sustainable and reliable solutions. By installing water conduits and water service connections without trenches, the costs of adapting the water piping network are kept as low as possible for suppliers and consumers, the environment is protected, and the supply is secured in the long term

B Profitable water piping networks

Using Petroproject technology for water main installation, you can build and maintain your supply network in a profitable and environmentally friendly way - in existing complex infrastructures as well as in areas where development in open construction is neither ecologically nor economically reasonable. Various methods can be applied, from the installation of pressure pipes for water transport and distribution, to the fitting of a house connection and the sustainable renewal of damaged water pipework's.

C Water conduit construction with Petroproject technology briefly

- Reliable water main installation and water pipeline construction along roads as well as under traffic and waterways with short or long pipes made of all standard materials
- Underground water conduit construction for service connections from the building or directly from the connection room to the main pipe or in the opposite direction
- Trenchless renewal of irreparably damaged pipework w new pipes in the existing pipe path for avoiding water loss in the long term
- Trenchless renewal of water conduits enables the sustained prevention of leaks while simultaneously adapting the pipe capacity by 1–2 nominal widths
- Reliable and accurate technology for water main installation, secure and proven application



EPC Projects

Pipelines Projects

High-capacity pipeline construction



We Offer

A Fast, gentle, and efficient pipeline installation with Petroproject technology

Efficient cross-border pipeline networks are essential to meet the growing global demand for energy. Long-distance transport pipelines such as natural gas pipelines or crude oil pipelines, are often several thousand kilometers long. The necessary routes often cannot be realized due to environmental regulations or structural obstacles preventing this. With trenchless technology for underground pipeline installation, these problems belong to the past.

B Pipeline installation when the going gets tough

Wherever you want to lay a pipeline, trenchless technology makes pipeline construction productive - whether under rivers and other bodies of water or in built-up areas. In addition, you can use GRUNDORAM horizontal rammers to successfully complete complicated HDD bores for pipeline installation even under difficult conditions - keyword 'HDD-Assist & Rescue':

- HDD bores in casing pipes
- Loosening of stuck pipes
- Extraction of trapped drill rods
- Retrieving jammed product casing pipes
- C Productive pipeline construction with Petroproject technology briefly
 - Professional pipeline installation along roads, under traffic and waterways as well as under surfaces of any kind
 - Non-steerable Petroproject techniques are suitable for spiral-welded pipes, seamless pipes, and pipes with insulation protection
 - HDD-Assist & Rescue techniques for successful pipeline installation even under the most difficult conditions
 - Pipeline construction with high economic efficiency and maximum productivity
 - Environmentally friendly techniques for the pipeline work with short approval times, high planning, and technical safety
 - Precise proof and documentation of position, function, and tightness of the new pipeline, as required for e.g., a gas pipeline or oil pipeline



EPC Projects

Gas Distribution Networks

Professional construction of Gas distribution networks



We Offer

A Fast and cost-efficient installation of underground gas pipes with Petroproject technology

Well-developed natural gas distribution networks play an important role in the success of the energy turnaround. For the gas transmission network to be able to transport and store enough fossil and increasingly renewable natural gas, high investments are required for maintaining and expanding the gas grid. Using trenchless technologies these expenses can be significantly reduced in an environmentally friendly way. Moreover, expansion can be accelerated without compromising supply quality and security

B Safe underground gas pipe laying

Underground gas pipe laying and even renewal with Petroproject technology and even renewal means maximum safety according to the latest technical standards. This goes for any type of gas pipeline

- Pipelines for feeding natural gas produced worldwide into national gas networks
- Construction of gas distribution networks with pressure lines for transport and distribution
- Underground gas pipes for the storage of synthetic gas from surplus green electricity & Gas service connections

C Underground gas piping briefly

- Gas piping along roads and under traffic and waterways, with short or long pipes made of all standard materials
- Trenchless construction of underground gas pipes for service connections from the pit/keyhole to the building or directly into the supply room and vice versa
- The minimally invasive keyhole technology has been developed especially for the serial installation and renewal of gas house connections. It really couldn't be gentler and more economical
- Trenchless renewal of damaged gas pipelines and house connections by replacement with new pipes in the existing route (pipe bursting) for sustained leak prevention while simultaneously adapting the gas pipe capacity by 1–2 nominal widths
- Maximum planning and technical safety of the gas piping while maintaining the latest regulations
- Precise proof and documentation of position, function, and tightness of the new underground gas pipes



EPC Projects

Welded Storage Tanks

Petroproject offers fabricates and builds welded steel storage tanks for the oil, water, and agriculture industries.

To accommodate our customers' needs, our welded tanks can include internal or external piping and can be either open or closed top.



The Art of Welded Tank Construction.....

To better meet the needs of our customers, Petroproject offers a full range of bolted and welded steel storage tanks. Our storage tanks feature an array of different finishes, coatings and capacities that are designed by site specifications, codes, and industry standards. All our storage tanks are equally suited for various applications such as the storage of potable water, wastewater, water for fire protection, crude oil, irrigation water and dry bulk material. With many years of knowledge and experience as a Licensed General Contractor, building both bolted and welded storage tanks, we can help you decide which design is most appropriate for your project, considering time, budget constraints and aesthetics.

When time is critical or site access is limited, our precision manufactured bolted steel tanks are perfect. Designed and manufactured in our State-of-the-Art facility, our bolted tanks arrive at your jobsite ready to be assembled. Alternatively, we fabricate, build, and install welded steel tanks. Our welded tanks are constructed of large steel plates joined together on the jobsite by our certified welders.

Our welded storage tanks are crafted in the field from heavy gauge steel using time tested fabrication methods. Specialized Project Superintendents practice the art of welded tank construction to ensure the correct material is ordered, delivered, and shaped to the proper contours. Certified, skilled welders then fuse the mammoth sheets of steel together resulting in extremely stout tanks. We utilize specialized equipment such as Automatic Girth Welders and Automatic Vert Buggies to ensure consistent welds and to reduce construction time.

Our coating team members are experts in tank coatings and know how to achieve the best application. After fabrication, our welded tanks are prepared for the liquid coating. We take great care to prepare the steel to ensure proper coating adhesion and longevity. Directly after surface preparation, the liquid coating is sprayed onto the steel and allowed to dry air and cure

We offer various field applied liquid coatings specifically designed for the designated purpose and can accommodate even the most rigorous coating specifications. For municipal water applications, we use NSF Certified epoxy interior coatings. Alternatively, we offer interior coatings created for corrosive liquids such as crude oil, biofuels, and brine water.



EPC Projects

Scheduled Maintenance Works

For the non-periodic failure rate reduction equipment preventive maintenance, Petroproject applies studies on the equipment maintenance time optimization problem for incomplete maintenance in a finite time interval



Petroproject supports all maintenance program.....

Planned maintenance programs

Preventive maintenance program Corrective maintenance program Predictive maintenance program Improved maintenance program

Un-planned maintenance programs

Emergency maintenance program Beak-down maintenance program

Solving Problems before they arise......

Predictive maintenance program

To summarize, Predictive Maintenance looks very convincing due to various benefits in combination with a simple implementation, which Petroproject provides.

- Instead of frequent failures, you operate with short duration upkeep services that are integrated into your process. You will increase the durability of your machines through Predictive Maintenance.
- Minimize your costs! Only replace those parts that require action. All your components will be constantly in use up to the point of needed replacement, but never beyond that to the point of component failure.
- Analysis of the data obtained is helping you to optimize the performance of your system by working more efficiently in the future. So, Predictive Maintenance will be responsible for a significant increase in your productivity levels.
- Add additional information to your internal systems. On top of the actual condition of the machines, different algorithms also examine all connected processes and prepare supplementary data for you.



EPC Projects

Inspections Works

Equipment inspection is not just about making sure your fleet is compliant but can save you money and time in the long run. It usually costs a lot less to have equipment repaired than replaced.



Petroproject Methodology

We Apply Risk Based Inspection. [RBI] Root Cause Analysis. [RCA]

The purposes of RBI include:

- To improve risk management results
- To provide a holistic, interdependent approach for managing risks
- To apply a strategy of doing what is needed for safeguarding integrity and improving reliability and availability of the asset by planning and executing those inspections that are needed
- To reduce inspections and shutdowns and provide longer run length without compromising safety or reliability
- To safeguard integrity
- To reduce the risk of failures
- To increase plant availability and reduce unplanned outages
- To provide a flexible technique able to continuously improve and adopt to changing risks
- To ensure inspection techniques and methods consider potential failure modes

All Data Subjected to Risk assessment strategy to confirm the true required action ... we apply

In accordance with API STD 580 Qualitative Approach Quantitative Approach Semi-Quantitative approach



Petroproject HSE

By combining our in-house skills with our highly specialized subcontractor partners, we add value to repairs and overhauls, ensuring all your turbomachinery-related inspection, repair and re-engineering needs are met quickly, safely and cost effectively.

With our investment in technology and training of our teams, your turbomachinery-related inspection, repair and reengineering needs will be met quickly, safely and cost effectively.

Equipment Overhaul

When you choose Petroproject for your equipment overhauls, we focus on the rotating and stationary components of your compressors and turbines and their sub-assemblies.

All our inspections and subsequent repairs are carried out according to our certified quality system Integrated Management System. You will have immediately online access to our detailed "as left" inspection reports, which include specific repair and potential upgrade recommendations, so you know exactly what needs to be done next.

Wherever possible, we work in conjunction with the Original Equipment Manufacturer for the supply of spare parts and repair procedures.

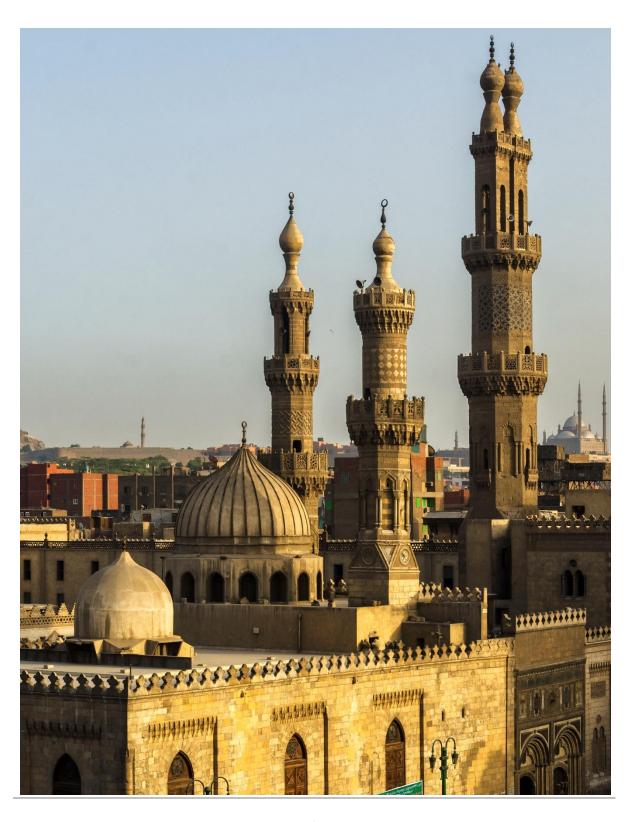
Re-engineering

Petroproject's skilled re-engineering team delivers certainty and reliability through our OEM-supported superior price/value solution and quickest delivery time, wherever possible.

Our re-engineering process works for upgrades to the mechanical components and the control systems of your critical rotating equipment. The process complies with modern requirements, so you can be sure you are receiving superior, maximum efficiency results.

PETROPROJECT

always providing innovative solutions to overcome new challenges.





PETROPROJECT CAPABILITIES

Capabilities

Our slogan

Understanding Vs Application

In accordance with Petroproject experience in petroleum and industries field, we gain our slogan to describe our capabilities to match the international requirement

Our capabilities are built on business sustainability with customers satisfaction

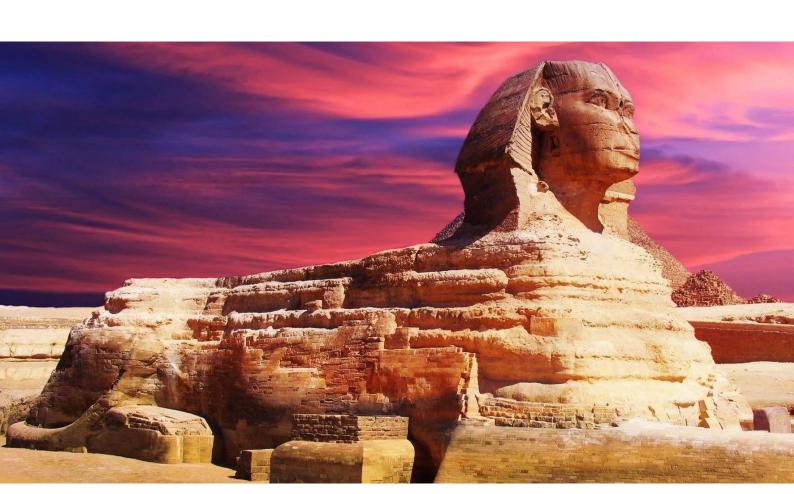
Try Petroproject professionalism

Petroproject capabilities include but are not limited to:

Innovative working environment Qualified and Certified Team

High-tech Facilities Licensed Software

Expertise's Supports Smart Management



References

Petroproject

Succeed to Deliver

Note that:

All required Document are available upon request.

Petroproject Strategy Results till the end of 2024

More Than 30 Client / Customer Worldwide









People and Resources Statistics

Incumbent capability	43 engineers	15 engineers on graduate schemes
Financial resources	\$9.3M capital expenditure	\$19.7M operating cash flow
Research and development	\$215K invested in research and development	3 granted and pending patent applications held by Petroproject & subsidiaries
Manufacture resources	3 Integrated Industrial Workshops	41 Contract / project through Middle east and Africa
EPC sector experience	12 years in all Energy and Industrial Sectors	2 years of Petroproject publications





Petroproject International Corporation

International EPC. For Petroleum Projects and Services

Official Information and license

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Tax File 5-01920-180-38-04

Comm. Reg. 68534 Nov. 7th 2013

Innovation under our MISSION

EXCELLENCE & WORLDWIDE

Values and Behaviors Vs... Responsibility and

Discipline

Egypt, KFS

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Try

Petroproject professionalism

Our goal

is to provide the best customer service and to answer all your questions in a timely manner.

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