



# CASPIAN ROCK SOLUTIONS LLC

Innovative Oil&Gas and Industrial Solutions

Connecting Earth's Foundations with Next-Gen Technologies

[www.caspianrocksolutions.com](http://www.caspianrocksolutions.com)

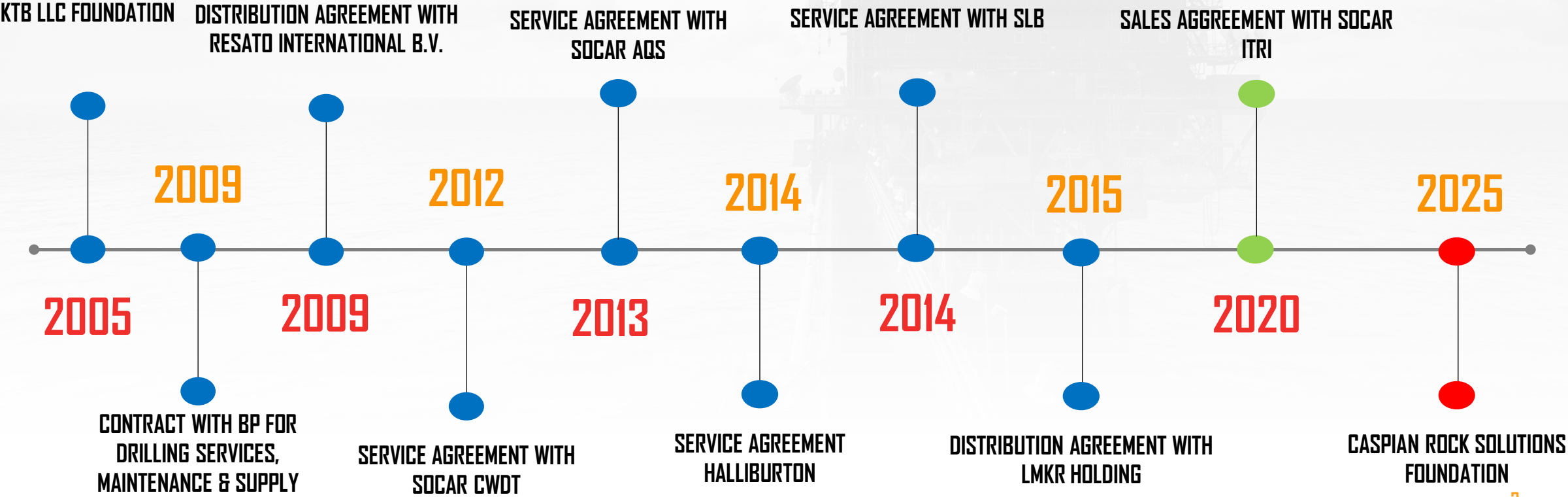


## About Us



Caspian Rock Solutions was founded in 2025 in Baku, Azerbaijan, and has since grown into a trusted provider of integrated projects across countries of Eurasia & Middle East. With a strong commitment to excellence, Caspian Rock Solutions delivers a comprehensive range of services tailored to the needs of the oil and gas industry. Our expertise spans the entire project lifecycle, ensuring innovative, efficient, and high-quality solutions for our clients in this dynamic sector.

# OUR HISTORY



# OUR SERVICES & SUPPLIES

## OIL & GAS

## INDUSTRY

01

### SERVICE

- IPM, ISM
- DIRECTIONAL DRILLING
- DRILL BITS (PDC/RC)
- REAMING SERVICES
- CORING & CORE ANALYSIS
- HARD FACING OF DRILLING TOOLS
- GEOLOGICAL INTELLIGENCE FOR DRILLING:  
POWERED BY ADVANCED SOFTWARE
- DIGITALISATION & TRANSFORMATION
- UPPER & LOWER COMPLETION &  
INSTALLATION OF DOWNHOLE EQUIPMENT
- RESATO HIGH PRESSURE TECHNOLOGY

02

### SUPPLY

- DRILL BITS
- PDM MOTORS
- FIBERGLASS TUBES
- LINER HANGERS
- FISHING TOOLS
- WHIPSTOCK
- CORE BIT
- RESATO HIGH PRESSURE TECHNOLOGY

03

### SERVICE

- INDUSTRIAL INSULATION SERVICES
- PAINTING
- CONSULTANCY SERVICES
- TRAINING & TECHNICAL SUPPORT
- MAINTENANCE & REPAIR
- DIGITALISATION & TRANSFORMATION

04

### SUPPLY

- PUMPS & COMPRESSORS
- PPE EQUIPMENT
- HAND TOOLS
- MEASURING TOOLS

# IPM, ISM



Together with turn-key projects, Caspian Rock Solutions introduces a drilling rig and an algorithm for technical, technological, logistical and administrative solutions aimed at minimizing the risks of the customer not only during the construction of wells, but also during its further operation.



## Advantages of complex services:

Releases the customer from operational control over the work of contractors

Acts as a "project manager" for managing complex or small projects

Provides quality work execution

Saves time for the entire work cycle

Achieves the efficiency of the working processes of the oil company for account of compliance with international engineering standards

# DIRECTIONAL DRILLING



- Caspian Rock Solutions has wide experience in the Directional Drilling with use of high-tech equipment from leading manufacturers, as well as with use of rotary-steerable systems in the drilling of horizontal trunks of 1500 and more meters length in the fields with AHRP (abnormally high reservoir pressure). We provide a full range of equipment for MWD, LWD, Motors and RSS.
- We use the DD service on the projects of Guneshli and Western Absheron off shore and Garadagh, Pirallahi and Chilov Island on shore projects in Azerbaijan.

# DRILL BITS (PDC/RC)



Caspian Rock Solutions provides both the supply of drill bits (PDC and RC) and rental services on a meter rate. Given alternative and unique solution is being provided to you on your project.

- PDC DRILL BITS: being produced in a wide variety of diameters and modifications. They are used for drilling of vertical, S-shaped, directional and complex wells.
- RC DRILL BITS: they are used in various drilling conditions, both for drilling offshore wells and for drilling wells on land (solid rock, frequent alternation of layers, high content of silication, high degree of abrasiveness and intensity of dogleg severity).
- SUPPORT SERVICES: experienced personnel, the rental rate of the bits per meter. All drill bits correspond to the international standards of IADC.

# BOREHOLE ENLARGEMENT SERVICES



- The Borehole Enlargement tool provides a simple and reliable solution for enlarging existing wellbore or reaming-while-drilling new hole. Delivering utmost in durability regardless of the formation or operating parameters, it is suitable for all formations ranging from highly abrasive to loosely consolidated and ideal for use with rotary steerable systems, extended reach drilling and back reaming requirements. The Hydraulic Borehole Enlarger consistently produces a full-gauge hole and enhances overall drilling efficiency.
- Designed with an exceptional mechanical force advantage, and application – specific cutter blocks, the Hydraulic Borehole Enlarger opens completely and consistently, delivering simple, dependable and cost-effective enlargement in a single run. With hydraulic activation, through ball drop or controlled pressure drop, cutter deployment is independent of BHA weight



# CORING TECHNOLOGY



Caspian Rock Solutions Holding is a qualified provider of Coring services in Azerbaijan, Turkmenistan, Kazakhstan with experience in the most complex operating and in-place conditions.

- Our company can produce coring from wells with diameter 139 to 393.7 mm with core diameters from 67 to 133.4 mm. Core sampling is possible both with rotary assemblies and assemblies using PDM.

- Conventional coring tool
- Anti-Jamming coring tool
- Gel coring system
- Conventional and Hydro-Barrel full closure system
- Oriented coring tool
- Low invasion technology
- Hydro seat Barrel system

APPLICATIONS	SOLUTIONS	FULL CLOSURE SYSTEM	POSICLOSE™	ORIENTED CORING	CORIENTING™ SYSTEM	WIRE LINE CORING	LONG CORING	GLIDER™ CORING	LOW INVASION™ CORING	SPONGE CORING™	SURFACE SERVICES	CORE GAMMA LOGGER	FIBERGLASS TUBES	ALUMINUM TUBES	SPECIAL CORE BIT DESIGN
FRACTURED RESERVOIRS TENDENCY TO JAM			■	■	■			■			■	■	■	■	■
SOFT FRIABLE OR UNCONSOLIDATED	■	■									■	■	■	■	■
EXPENSIVE RIG TIME						■	■	■			■	■	■	■	■
HORIZONTAL OR HIGH ANGLE	■					■	■	■	■	■	■	■	■	■	■
COAL BED METHANE	■					■					■			■	■
RESERVOIR ENGINEERING				■	■			■	■	■	■	■	■	■	■
SATURATIONS										■		■	■	■	■
HP/HT							■	■	■		■	■	■	■	■

# HARD FACING OF DRILLING TOOLS



Our company provides high-quality hard facing services for stabilizers, reamers and other downhole tools, applying wear-resistant coatings to enhance the durability and performance of drilling tools. This process protects the equipment from abrasion, extends its operational life, and ensures optimal performance during drilling operations.



# DOWNHOLE MOTORS

The CRS is pleased to offer you downhole drilling motors of any modifications and standard sizes. They are designed for vertical, directional or horizontal drilling.

1

Range of motor dimensions 102 ... 244 mm

2

Optimal size combined with reliability, sufficient controllability and rigidity;

3

The quality and reliability of downhole drilling motors will allow you to solve work tasks as quickly and efficiently as possible, as well as saving labor and money resources;

4

The motors are equipped with carbide bushings and bearings, which are characterized by increased reliability and service life, a hinge device, as well as bearings with an increased service life made of special steel that can withstand high loads, working pairs with high torque and mechanical speed;



# WHIPSTOCK SYSTEM

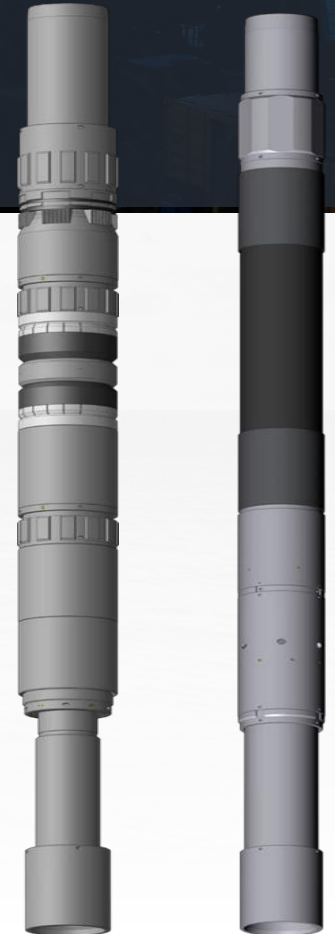
- ✓ Allows sidetrack without cementing and support for anchor setting
- ✓ Can be applied in cased and in open hole
- ✓ Window milling for one trip
- ✓ Simple and reliable design of the anchor
- ✓ Equipment can be used in the intervals with angles up to 90 degree.
- ✓ Possibility for direct and back circulation while Whipstock running
- ✓ The technology is highly effective technically and economically.
- ✓ The competitive advantage of products - the best value for money.



# LINER HANGER SYSTEM



The **Liner Hanger System** is a vital downhole tool used to suspend a liner inside a wellbore casing during drilling and completion operations. Caspian Rock Solutions offers a wide range of liner hanger technologies tailored for both cemented and noncemented applications. Our portfolio includes retrievable, rotating, and oriented liner hangers, as well as advanced hydro-mechanical and stage-cementing systems. We also provide protected systems for improved reliability during challenging operations, including pre-cementing disconnection, multiple release mechanisms, and options for flush-joint pipes. Each tool is engineered to enhance operational efficiency, minimize risks, and ensure secure liner deployment across diverse well conditions.



# FIBERGLASS TUBES FOR DRILLING APPLICATION



Fiberglass tubes as cementing string pipe is designed to install cement plug. It is completed with steel or aluminum washers, which allows, if necessary, to drill without much effort and harm to the drilling tools. CRS may supply handling tools for fiberglass tubes as cementing pipe, such as X-over, clamp, lifting cap and etc.



## FEATURES:

- Tube length -7600 - 9200 mm
- Tube ID - 60 - 108 mm
- Operating temperature - from - 60 up to + 150

Equipped with steel or aluminum ends with tapered thread, it is possible to manufacture threads according to customer requirements

## ADVANTAGES:

- High installation speed at any time of the year
- Resistance to aggressive environments and formation waters
- Resistance to temperature changes
- Low thermal conductivity
- Water resistance 30% lower than steel pipes

# CORE BIT



Our advantage in this area, is the ability to select and apply simultaneously several successful solutions and technologies from different manufacturers for specific geological and technical conditions of the Customer.

Soft Rock- PDC

Medium to Hard Rock- PDC

Fractured- Impregnated

Ultra hard and abrasive- Impregnated



# RESATO HIGH PRESSURE TECHNOLOGY



- Caspian Rock Solutions LTD is Official Distributor of Resato International B.V. in Azerbaijan.
- Resato is one of the world's leading manufacturers of High Pressure components and systems, with pressures up to 14.000 bar / 200,000 psi.
- We supply Well head control, BOP control, Hydraulic test, Gas test, Chemical injection units. These units are excellent for testing completions, accumulators, cylinders, valves, bodies, vessels, piping. Suitable for various media such as: water, oil, oceanic oil, glycol, methanol. We supply separated components like gauge, recorder, transducer, fitting, adapter, tubing, hand/air operated valve, hydraulic pumps, gas boosters.

**Resato** HIGH PRESSURE TECHNOLOGY



**Oil & Gas  
Industry**



**Industrial  
Sector**



**Hose Market**

# COMMISSIONING, INSPECTION & MAINTENANCE, CALIBRATION



- Maintenance and service are needed to maintain the quality of your execution and extend the lifetime of your systems. For high pressure test stands, gas boosters, pumps, and other products, constant physical stress on components creates wear and eventually failure. To prevent this failure and to reduce downtime of your processes, we provide a range of options to you from regular service visits and calibration services to in-house support. Our Customer Care Experts will be able to advise you on a solution that brings out the best in your equipment, suited for your processes.
- In-house full support 7/24
- Support on site



# TRAINING



We offer several training modules to fully prepare you for your high-pressure system. With our investment in the training modules, we optimally prepare you to operate and maintain your high-pressure solution!

Operator training

Maintenance training

# SPARES AND RENTALS



- In case you need spares and or consumables, you are able to contact our team. Our team is able to quote the items required. Also we have a range of rental machines which we are able to rent out in case you need high pressure machinery for a shorter period of time. Contact our team in case you need spares or rental machines.



Components



Pumps/Boosters



Systems & Solutions

# RESATO HIGH PRESSURE TECHNOLOGY SUPPLY







Pressure testing: Hydrostatic & hydraulic pressure testing

Pressure testing: Gas pressure testing

Pressure testing: Pressure test bays



Our customers that use similar unit:     

# GEOLOGICAL INTELLIGENCE FOR DRILLING: POWERED BY ADVANCED SOFTWARE



In partnership with LMKR, we offer a full suite of Gverse - GeoGraphix tools and expert consulting for exploration and production. GeoGraphix offers a powerful, cost-effective, and user-friendly platform for integrated interpretation, helping exploration and production teams achieve accurate and efficient results.

## SOFTWARE BENEFITS:

- Modern mapping and visualization
- Quick tools for field planning optimization and development
- Interpretation of seismic and geological data
- Modern tools for directional drilling simulation



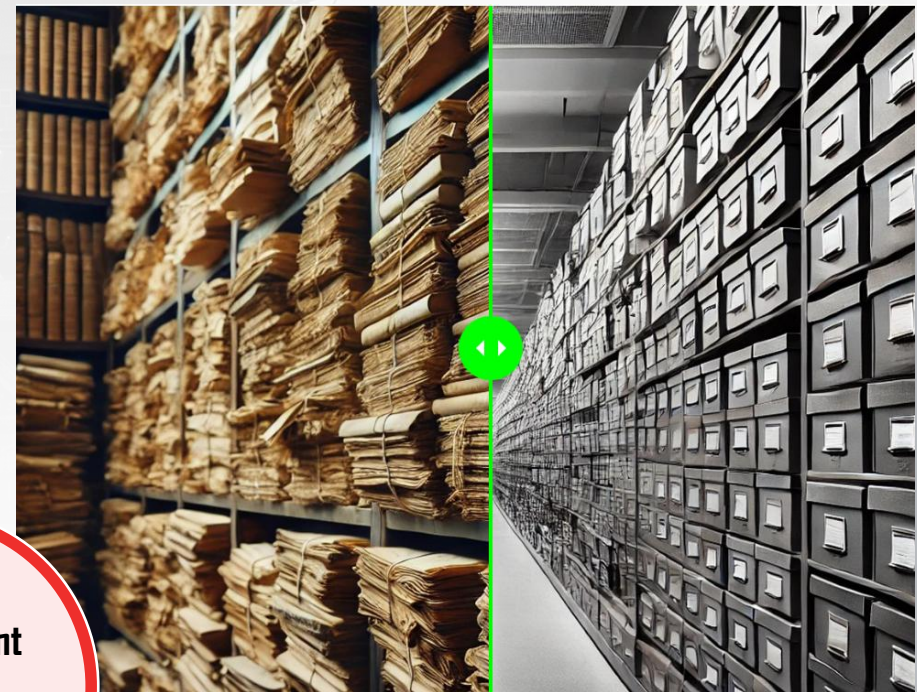
## SERVICE PACKAGES:

- 24/7 technical support
- Technical support by phone
- Technical support through the web portal
- Immediate access to new releases and updates

# DIGITALISATION & TRANSFORMATION



Caspian Rock Solutions, in partnership with LMKR, successfully executed a transformative digitalization project to address the challenge of managing extensive hard copy data, including reports, well logs, and other critical documents. This initiative involved meticulously scanning, indexing, and organizing physical records into a fully digital format.



**Faster data access**

**Improved analysis**

**More efficient decision-making**

# INDUSTRIAL INSULATION SERVICES



## Our Services Include:

**Thermal Insulation:** Designed to minimize heat loss or gain in pipelines, tanks, boilers, and equipment. We use materials like mineral wool, glass wool.

**Acoustic Insulation:** Noise control insulation systems for machinery, ducts, and enclosures to ensure a safer working environment and compliance with health standards.

**Cold Insulation:** For cryogenic systems and cold storage. Prevents condensation, energy loss, and corrosion under insulation (CUI).

**Removable Insulation Blankets:** Custom-made, reusable insulation covers for valves, flanges, and pumps, allowing easy maintenance access.

**Fireproof Insulation:** Fire-resistant insulation systems for safety-critical infrastructure.

Industrial insulation plays a critical role in improving energy efficiency, protecting personnel, minimizing heat loss or gain, and maintaining process stability in industrial environments. Our company provides end-to-end insulation solutions tailored to the needs of oil & gas facilities, power plants, chemical factories, and other industrial facilities.

## Why Choose Us?

- ✓ Use of certified, high-performance materials (including ROCKWOOL)
- ✓ Trained and safety-certified technicians
- ✓ Custom engineering solutions based on site surveys
- ✓ On-time execution with minimal disruption to operations



# PAINTING - EPOXY FLOOR



## What We Offer

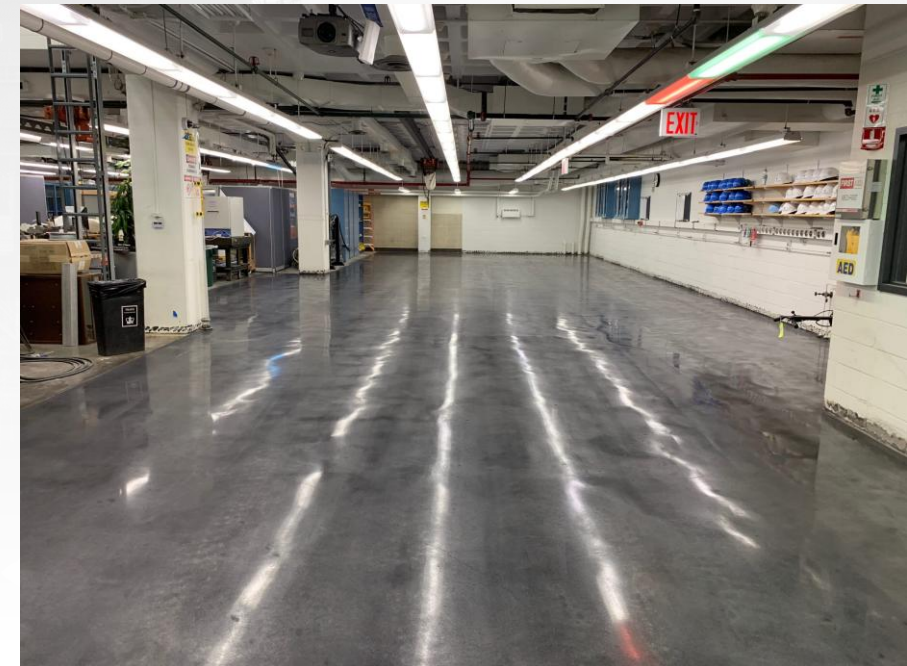
Installation of new epoxy floors – from surface preparation to final coating

Repair and restoration of existing floors

Industrial cleaning and technical maintenance of epoxy coatings

Decorative solutions: 3D floors, colored self-leveling systems, anti-slip coatings

Services for warehouses, industrial facilities and more



# CONSULTANCY SERVICES



Our experts provide tailored consulting to help you select, configure, and optimize industrial equipment and systems. We assist with project planning, equipment integration, compliance recommendations, and efficiency improvements — all based on your site-specific needs.



# TRAINING & TECHNICAL SUPPORT



- We deliver practical training programs and on-site technical support to ensure your team works safely and efficiently. Training covers equipment operation, maintenance routines, safety procedures, and troubleshooting – all aimed at improving performance and reducing operational risks.

## Why Choose Us?

- Certified trainers with hands-on industry experience
- Tailored training programs to fit your operational needs
- Ongoing technical support and troubleshooting assistance
- Emphasis on safety and continuous improvement

# MAINTENANCE & REPAIR



- We offer regular and emergency maintenance services to keep your equipment operating at peak performance.
- Our team handles troubleshooting, diagnostics, part replacements, and complete overhauls — minimizing downtime and extending the lifespan of your assets.



# PUMPS & COMPRESSORS



We supply a wide range of industrial pumps and compressors designed for reliable performance in demanding environments. Our selection includes centrifugal pumps, screw compressors, piston compressors, diaphragm pumps, and more — suitable for applications in oil & gas, chemical, water treatment, and power generation industries.

## Key Features:

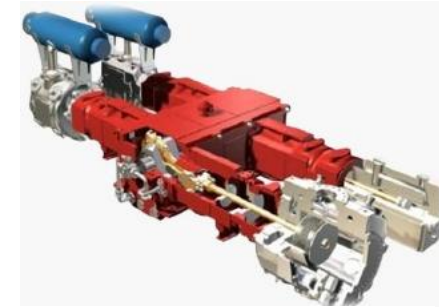
High efficiency and durability

Explosion-proof and corrosion-resistant models available

Suitable for high-pressure and high-temperature operations

Available in various capacities and configurations

Compliant with API, ISO, and other international standards



# PPE EQUIPMENT



- We offer a full range of high-quality Personal Protective Equipment to ensure safety in industrial environments. Our products include durable gloves, certified safety helmets, comfortable and protective workwear, safety gear for all conditions, and impact-resistant protective glasses. Designed to meet international safety standards, our PPE solutions help safeguard your workforce in even the most demanding work environments.





# WHY CHOOSE US



Caspian Rock Solutions is proudly headquartered in Baku, Azerbaijan — the heart of the Caspian oil and gas industry. Our deep understanding of local regulations, logistics, and market dynamics allows us to deliver tailored, agile solutions. At the same time, our active operations, Middle East, and Eurasia regions position us as a truly regional service provider..

We offer a full-spectrum portfolio — from exploration to production, from well construction to reservoir optimization, and from equipment supply to long-term maintenance services. Our multi-disciplinary approach ensures seamless project delivery with consistent technical oversight, saving time and cost for clients.



- Over 20 years of field-proven experience in upstream services
- Trusted by major operators like SOCAR AND BP
- Full-cycle services: from exploration to production support
- Strong partnerships with Halliburton, SLB, LMKR, and Resato
- Local responsiveness with international standards



- Integrated solutions for maintenance, spare parts, and plant support
- Reliable partner for industrial automation, pressure systems, and digitalization
- Efficient logistics and fast turnaround from our Baku base
- Proven experience in high-risk, process-critical environments
- Dedicated team with technical and operational excellence

# KEY CUSTOMERS



bp



HALLIBURTON





# THANK YOU

**CONTACT DETAILS:**

+994 12 310 07 80

[www.caspianrocksolutions.com](http://www.caspianrocksolutions.com)

[office@caspianrocksolutions.com](mailto:office@caspianrocksolutions.com)