

Geo Enjenerik LTD as an engineering-geotechnical research, mining, and offshore geotechnical research company with a strong emphasis on safety standards and a specialized workforce in Turkey. The company boasts over 100 specialists and has been in operation for more than 10 years.

ABOUT US



GEO ENJENERIK LTD. IS A PROMINENT PROVIDER OF COMPREHENSIVE OIL AND GAS FIELD SERVICES, COMMITTED TO MEETING THE WORLD'S ENERGY NEEDS THROUGH INNOVATION, RELIABILITY, AND SUSTAINABILITY. WITH AN UNWAVERING DEDICATION TO EXCELLENCE, WE BRING DECADES OF EXPERTISE TO EVERY ASPECT OF THE OIL AND GAS INDUSTRY.

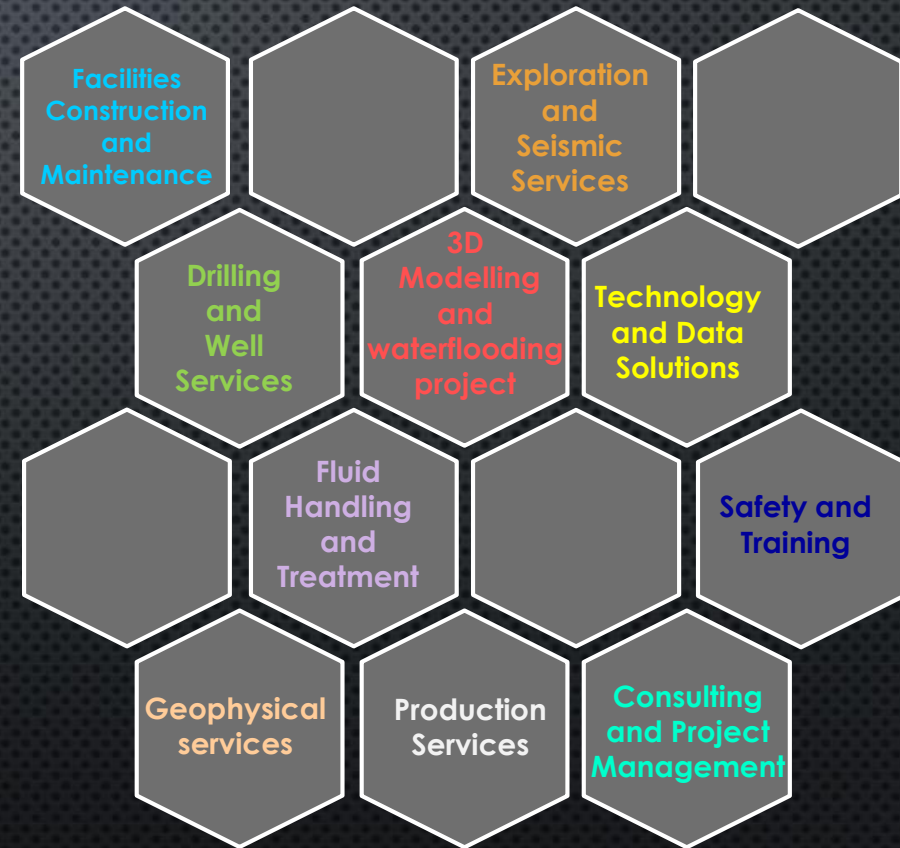
- **OUR CORE VALUES**

- **EXCELLENCE:** WE STRIVE FOR EXCELLENCE IN ALL THAT WE DO. FROM EXPLORATION TO PRODUCTION AND BEYOND, WE ARE COMMITTED TO DELIVERING SERVICES OF THE HIGHEST QUALITY, MEETING AND EXCEEDING THE EXPECTATIONS OF OUR CLIENTS.
- **INNOVATION:** EMBRACING INNOVATION IS AT THE HEART OF OUR OPERATIONS. WE LEVERAGE CUTTING-EDGE TECHNOLOGIES, DATA ANALYTICS, AND INDUSTRY BEST PRACTICES TO CONTINUOUSLY IMPROVE EFFICIENCY, SAFETY, AND ENVIRONMENTAL STEWARDSHIP.
- **RELIABILITY:** TRUST IS THE FOUNDATION OF OUR RELATIONSHIPS. WE BUILD AND MAINTAIN TRUST BY CONSISTENTLY DELIVERING ON OUR PROMISES, ENSURING THE SAFETY OF OUR PEOPLE, AND OPTIMIZING THE PERFORMANCE OF OUR CLIENTS' ASSETS.
- **SUSTAINABILITY:** WE RECOGNIZE THE IMPORTANCE OF ENVIRONMENTAL RESPONSIBILITY IN THE OIL AND GAS INDUSTRY. OUR COMMITMENT TO SUSTAINABILITY EXTENDS TO MINIMIZING OUR ECOLOGICAL FOOTPRINT, PROMOTING CLEAN TECHNOLOGIES, AND CONTRIBUTING TO THE GLOBAL TRANSITION TO A MORE SUSTAINABLE ENERGY FUTURE.

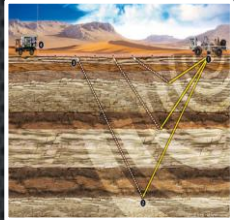
- **WHAT SETS US APART**

- **COMPREHENSIVE SERVICES:** FROM SEISMIC SURVEYS AND DRILLING OPERATIONS TO PRODUCTION OPTIMIZATION AND FACILITY MAINTENANCE, WE OFFER A FULL SPECTRUM OF SERVICES TAILORED TO MEET THE EVOLVING NEEDS OF OUR CLIENTS.
- **GLOBAL REACH:** OPERATING ON A GLOBAL SCALE, WE HAVE SUCCESSFULLY EXECUTED PROJECTS IN DIVERSE ENVIRONMENTS, INCLUDING CHALLENGING OFFSHORE LOCATIONS AND REMOTE ONSHORE SITES.
- **SAFETY FIRST:** THE SAFETY OF OUR PERSONNEL, THE COMMUNITIES WHERE WE OPERATE, AND THE ENVIRONMENT IS OUR TOP PRIORITY. WE ADHERE TO RIGOROUS SAFETY STANDARDS, INVEST IN ONGOING TRAINING, AND IMPLEMENT INDUSTRY-LEADING SAFETY PROTOCOLS.
- **CLIENT-CENTRIC APPROACH:** OUR SUCCESS IS INTERTWINED WITH THE SUCCESS OF OUR CLIENTS. WE PRIORITIZE OPEN COMMUNICATION, COLLABORATION, AND A SOLUTIONS-ORIENTED APPROACH TO ENSURE THE ACHIEVEMENT OF OUR CLIENTS' GOALS.

OUR SERVICES



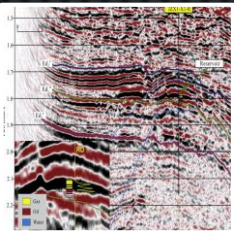
EXPLORATION AND SEISMIC SERVICES



Our acquisition QCs operate in 2D, 3D, and 4D land environments, as well as transition zone and land VSP surveys.

QA/QC for land acquisition is the combination of quality assurance, the process or set of processes used to measure and assure the quality of a product, and quality control, the process of meeting products and services to consumer expectations. Quality assurance is process oriented and focuses on defect prevention, whereas quality control is product oriented and focuses on defect identification.

Geo Enjenerik LTD provides 2D/3D High Resolution (HR) Marine Seismic Services for geohazard surveys and for oil and gas exploration purposes. WE use latest high technology and fully experienced personnel to provide to clients the cost and operation efficiencies of 2D/3D HR Seismic Acquisition, Processing and Interpretation. The final processed HR 3D Seismic Volumes are of high quality and high resolution allowing for accurate and detailed interpretation. High Resolution / Ultra High Resolution (HR/UHR) seismic configuration available. Seismic penetration achievable: 2000 m (depending on geology). High 3D seismic data resolution: 6.25m x 6.25m. Sophisticated data processing.

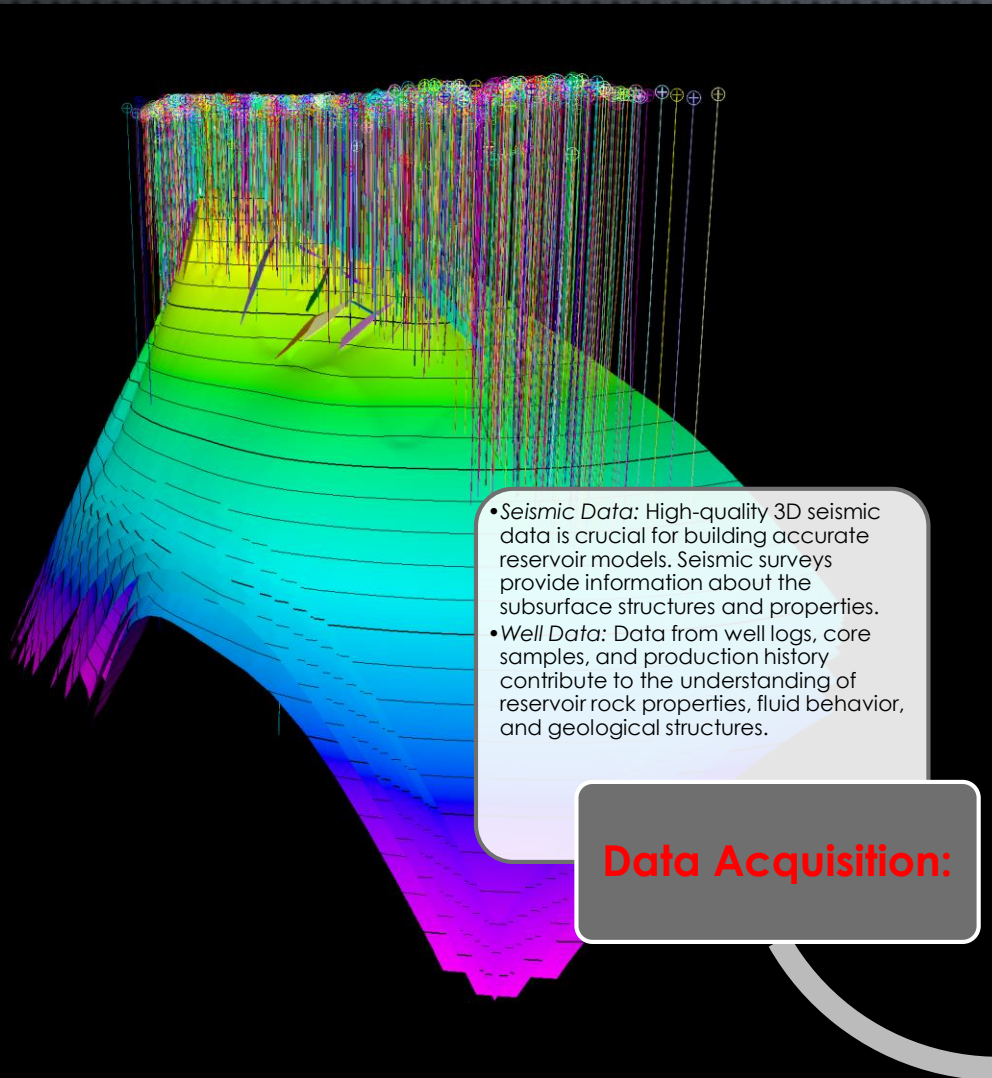


DATA INTERPRETATION & RESERVOIR PRODUCTION OPTIMISATION. Total Seismic provides high quality seismic data interpretation, prospect evaluation, quantitative interpretation, reservoir modelling and seismic-based reservoir monitoring services. We develop custom data interpretation solutions for all technical scopes to maximize value for clients. We have expert geophysicists based Turkey and have flexibility in our selection of software to achieve quality technical results cost-effectively.

At our company, we specialize in providing top-tier rental seismic equipment tailored for the unique needs of oil and gas exploration endeavors. Our comprehensive suite of tools, including cutting-edge seismometers and geophones, empowers exploration teams to conduct precise subsurface studies, crucial for identifying potential hydrocarbon reservoirs. Committed to facilitating cost-effective solutions, we understand the significance of accessing state-of-the-art technology without the burden of upfront investments. With our rental services, we enable oil and gas exploration companies to embark on efficient and adaptable projects, ensuring the acquisition of accurate subsurface data for informed decision-making in the dynamic field of hydrocarbon exploration.



3D MODELLING AND WATERFLOODING PROJECT

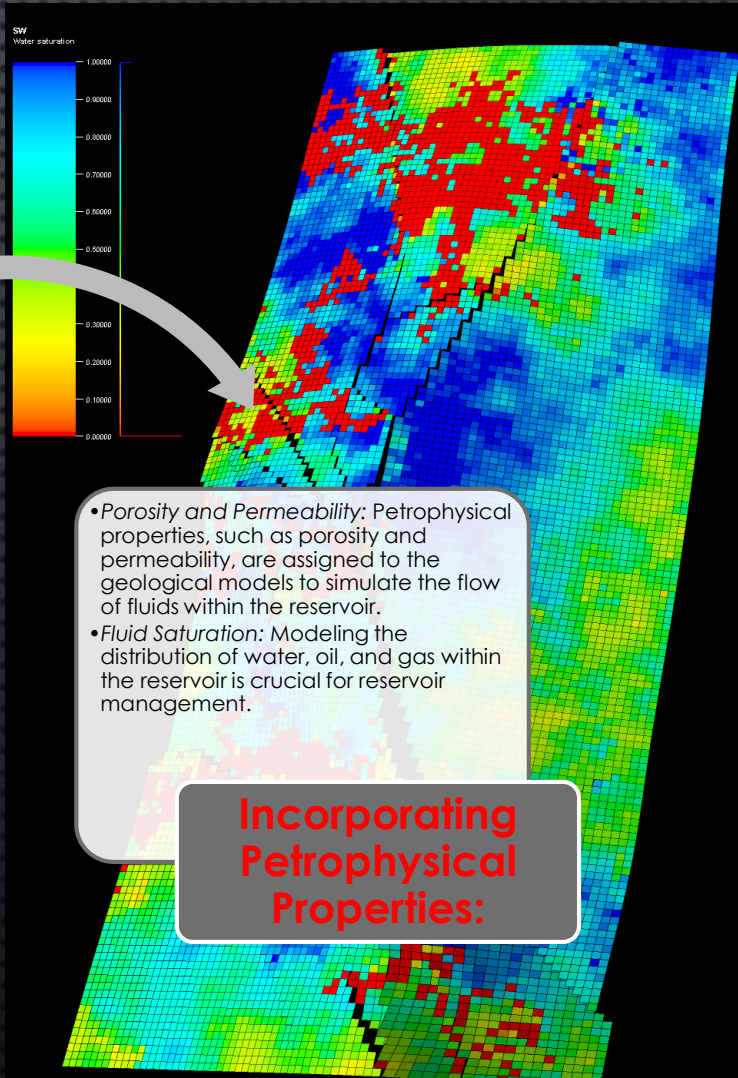


- **Seismic Data:** High-quality 3D seismic data is crucial for building accurate reservoir models. Seismic surveys provide information about the subsurface structures and properties.
- **Well Data:** Data from well logs, core samples, and production history contribute to the understanding of reservoir rock properties, fluid behavior, and geological structures.

Data Acquisition:

Building Geological Models:

- **Structural Modeling:** 3D modeling software is used to create structural models that represent the subsurface geometry, including fault lines, folds, and other geological features.
- **Stratigraphic Modeling:** The modeling process includes representing different stratigraphic layers, helping understand the distribution of reservoir rocks and potential barriers.



- **Porosity and Permeability:** Petrophysical properties, such as porosity and permeability, are assigned to the geological models to simulate the flow of fluids within the reservoir.
- **Fluid Saturation:** Modeling the distribution of water, oil, and gas within the reservoir is crucial for reservoir management.

Incorporating Petrophysical Properties:

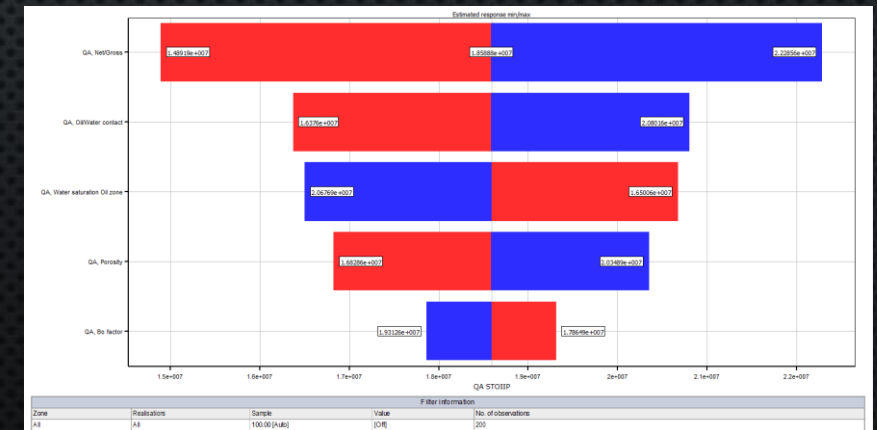
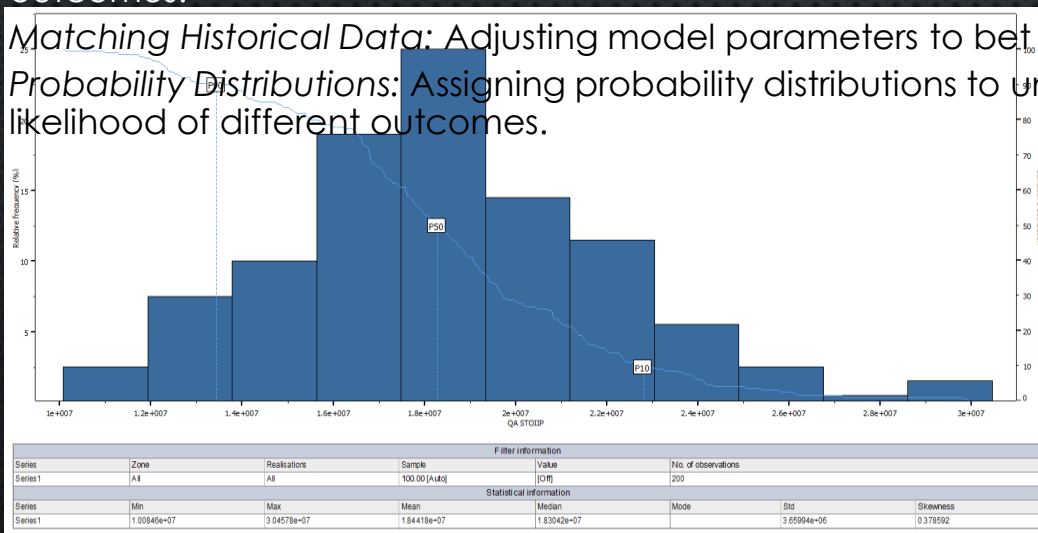
3D MODELLING AND WATERFLOODING PROJECT

Dynamic Reservoir Modeling:

- *Integration with Production Data:* Dynamic reservoir models incorporate historical production data to simulate the movement of fluids over time.
- *Predictive Capabilities:* These models enable engineers to predict future reservoir behavior under different scenarios, helping in reservoir management strategies.

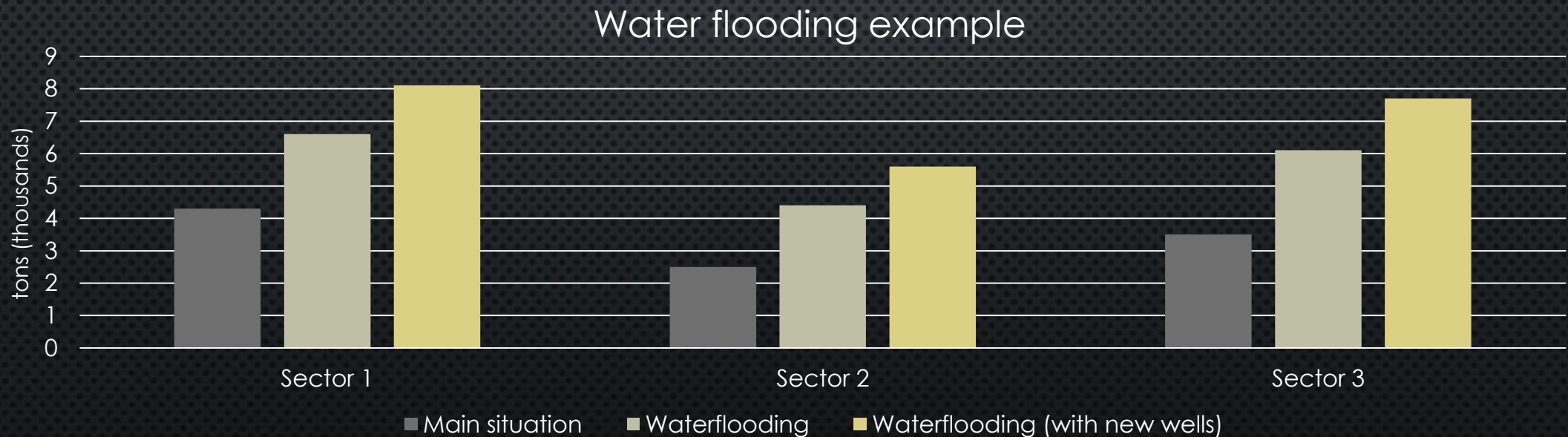
Uncertainty

- *Parameter Sampling:* Varying input parameters (e.g., porosity, permeability) based on probability distributions.
- *Multiple Model Realizations:* Running multiple simulations with different parameter sets to assess the range of possible outcomes.
- *Matching Historical Data:* Adjusting model parameters to better match historical production and pressure data.
- *Probability Distributions:* Assigning probability distributions to uncertain parameters and using them to model the likelihood of different outcomes.



3D MODELLING AND WATERFLOODING PROJECT

The development of an injection system is deemed the primary and pivotal outcome of the evaluation. It is crucial to redesign this system to ensure process continuity and minimize potential downtime. The water produced alongside oil from the exploitation facilities in the fields should be gathered in a centralized system and prepared for injection purposes after undergoing separation in dedicated precipitator areas.

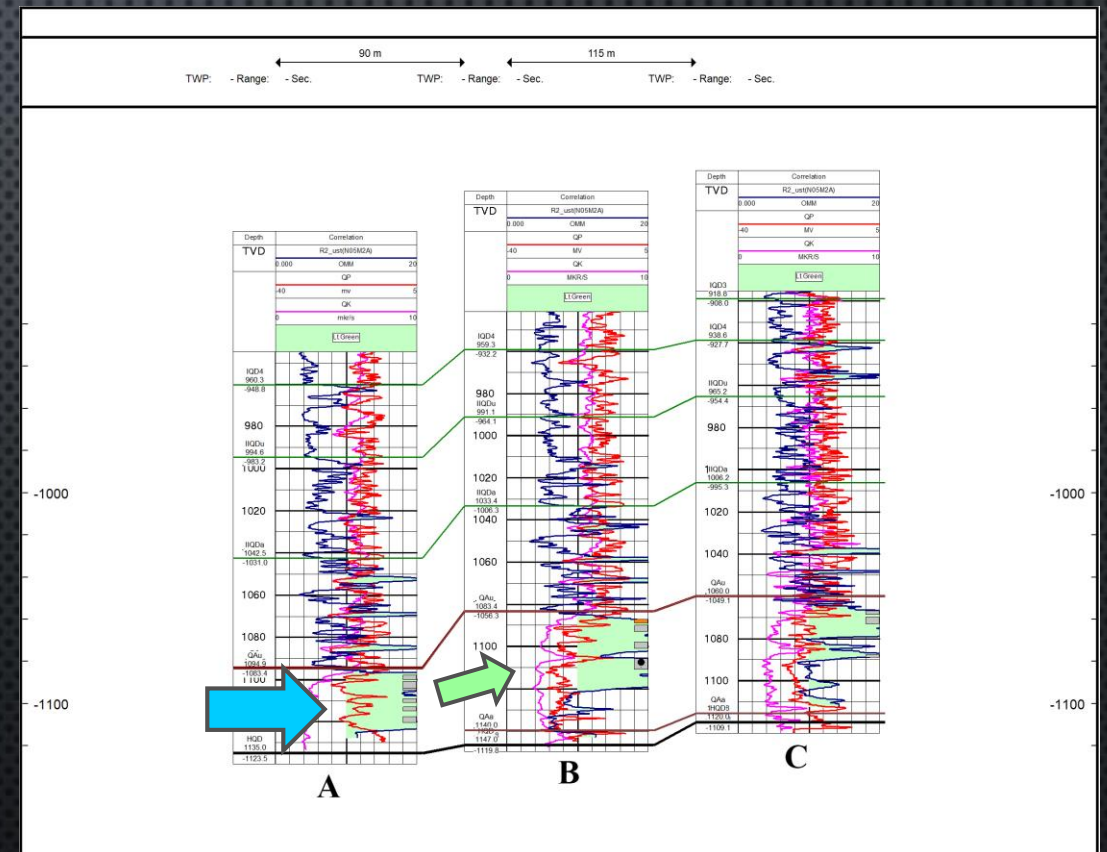


3D MODELLING AND WATERFLOODING PROJECT

project

The establishment of an injection system is regarded as the foremost and crucial outcome of the evaluation. It is imperative to redesign this system to ensure process continuity and minimize potential downtime. The water produced, along with oil from the exploitation facilities in the fields, should be collected in a centralized system and prepared for injection after undergoing separation in dedicated precipitator areas.

During the project implementation, the analysis of results in the initial phase enables the preparation of the next roadmap for processes. Following a step-by-step approach, the implementation of processes continues in the subsequent phases of the project. Therefore, before the project is fully operational, it is deemed more appropriate to initiate the irrigation process in specific parts of the operational area. This allows for experiencing initial results and assessing the efficiency of the process application.



The example illustrates the current application of wells in visual form. A production well was converted into an irrigation system, and irrigation was implemented from above. Consequently, production in wells B and C has increased significantly.

3D MODELLING AND WATERFLOODING PROJECT

To organize operations in the next stage, it is essential to consider the following aspects while evaluating existing capabilities in certain fields, specifically examining the capabilities of the complex irrigation system utilized in the field thus far.

- The complex water collection system, responsible for gathering water produced in conjunction with oil and transporting it to injection wells, should be either renewed or established anew.
- In areas boasting a technically efficient well inventory suitable for injection purposes, the selection of injection wells from the current well inventory and the establishment of an injection well inventory are imperative.
- Designing the drilling of new injection wells is necessary in areas where transitioning from the existing well inventory to injection is not feasible.
- In the existing operational well inventory situated within the influence area of injection wells, a return operation to prospective horizons should be conducted either along the wellbore or through sidebore operations.
- Planning for the drilling of new operational wells within the influence area of injection wells should be undertaken.

DRILLING AND WELL SERVICES

Drilling is a fundamental process in the oil and gas industry, involving the penetration of the Earth's subsurface to access hydrocarbon reservoirs. Our advanced drilling services at [Geo Enjenerik LTD](#) utilize state-of-the-art rigs and precision techniques for efficient wellbore construction. Simultaneously, our expertise extends to Sidewall Coring, a specialized method that allows for targeted sampling of reservoir rock formations. Sidewall coring enables detailed analysis of rock properties and fluid content without the need for additional drilling, offering valuable insights for reservoir characterization and production optimization. At [Geo Enjenerik LTD](#), the synergy between drilling and sidewall coring forms a comprehensive approach, ensuring accurate reservoir assessment and optimal well performance.

Drilling Services:

- *Advanced Drilling Rigs:* [Geo Enjenerik LTD](#) boasts a fleet of state-of-the-art drilling rigs equipped with cutting-edge technology. These rigs are designed for versatility, capable of handling various drilling challenges, from onshore to deepwater and unconventional reservoirs.
- *Expert Drilling Crews:* Our highly skilled and experienced drilling crews are at the forefront of operational excellence. They bring a wealth of knowledge in drilling techniques, safety protocols, and efficient project execution.

Well Completion Services:

- *Casing and Cementing:* [Geo Enjenerik LTD](#) specializes in well casing and cementing services, ensuring the integrity and stability of wells. Our advanced cementing technologies provide zonal isolation and prevent potential leaks between formations.
- *Perforation Techniques:* Well completion also involves precise perforation techniques to enhance reservoir connectivity and optimize hydrocarbon flow. We employ advanced perforating tools and methods for superior results.

Directional Drilling:

- *Precision Well Placement:* Our directional drilling services are geared towards achieving precise wellbore placement. This includes horizontal and multilateral drilling techniques to access and maximize reservoir potential while minimizing surface footprint.
- *Real-Time Monitoring:* Utilizing real-time monitoring and measurement-while-drilling (MWD) technologies, we ensure accurate wellbore positioning and trajectory control.

DRILLING AND WELL SERVICES

Integrated Project Management:

- *Turnkey Solutions:* Geo Enjenerik LTD offers turnkey drilling solutions, managing the entire process from planning and permitting to drilling and well completion. Our integrated project management approach ensures seamless coordination and optimal efficiency.
- *Cost-Efficiency:* With a focus on cost-effectiveness, we employ advanced drilling optimization techniques, such as automated drilling systems and data-driven decision-making, to enhance drilling performance and reduce operational costs.

Well Maintenance and Workovers:

- *Proactive Maintenance:* Our well maintenance services are geared towards ensuring the ongoing reliability and productivity of wells. Proactive maintenance plans include regular inspections, equipment upgrades, and preventive measures to address potential issues before they escalate.
- *Workover Operations:* In cases where intervention is required, our expert teams execute workover operations efficiently, employing well intervention techniques such as tubing replacement, stimulation, and remedial cementing.

Artificial Lift Services:

- *Efficient Hydrocarbon Recovery:* Geo Enjenerik LTD specializes in artificial lift systems to optimize hydrocarbon recovery. Our services include the installation, maintenance, and optimization of artificial lift technologies such as electric submersible pumps (ESPs), gas lift systems, and rod pumps.
- *Data-Driven Optimization:* Leveraging data analytics and real-time monitoring, we fine-tune artificial lift systems to match reservoir dynamics, maximizing production rates and extending well life.

DRILLING AND WELL SERVICES

Safety and Environmental Stewardship:

- *Safety Culture:* Safety is ingrained in our company culture. Rigorous safety protocols, continuous training, and proactive hazard identification contribute to a safe working environment for our personnel.
- *Environmental Responsibility:* Geo Enjenerik LTD is committed to minimizing the environmental impact of drilling operations. This includes the responsible disposal of drilling fluids, adherence to environmental regulations, and the implementation of sustainable practices.

Technological Advancements:

- *Automation and Robotics:* Embracing the future of drilling, we integrate automation and robotics to enhance drilling efficiency and safety. Autonomous drilling technologies, sensor networks, and robotics contribute to precision and reliability.
- *Digital Twin Technology:* Our utilization of digital twin technology allows for real-time virtual replicas of drilling operations, enabling proactive decision-making, predictive maintenance, and optimization.

Global Presence:

- *International Operations:* Geo Enjenerik LTD operates globally, catering to diverse geographical and geological challenges. Our adaptability and local expertise ensure successful projects in regions ranging from arctic environments to remote deserts.

TECHNOLOGY AND DATA SOLUTIONS

IN THE REALM OF TECHNOLOGY AND DATA SOLUTIONS, GEO ENJENERIK LTD IS A PIONEER IN HARNESSING ADVANCED ANALYTICS, EMPLOYING CUTTING-EDGE ALGORITHMS TO DERIVE ACTIONABLE INSIGHTS FROM EXTENSIVE DATASETS. REAL-TIME MONITORING SYSTEMS ARE A HALLMARK, FACILITATING INSTANTANEOUS FEEDBACK FOR ENHANCED DECISION-MAKING DURING EXPLORATION, DRILLING, AND PRODUCTION OPTIMIZATION. OUR INTEGRATED TECHNOLOGY PLATFORMS STREAMLINE COMMUNICATION AND COLLABORATION, OFFERING COMPREHENSIVE SOLUTIONS FOR PROJECT MANAGEMENT AND DATA SHARING ACROSS VARIOUS OPERATIONAL PHASES. BY LEVERAGING REMOTE SENSING TECHNOLOGIES, INCLUDING SATELLITE IMAGING AND UAVS, WE ENSURE EFFICIENT GEOLOGICAL MAPPING, ENVIRONMENTAL MONITORING, AND INFRASTRUCTURE INSPECTION IN REMOTE AND CHALLENGING TERRAINS. FURTHERMORE, OUR COMMITMENT TO CYBERSECURITY MEASURES, DIGITAL TWIN TECHNOLOGY, AND IOT INTEGRATION UNDERSCORES OUR DEDICATION TO DRIVING EFFICIENCY, SAFETY, AND SUSTAINABILITY IN THE DYNAMIC LANDSCAPE OF OIL AND GAS FIELD SERVICES.

Advanced Analytics: Geo Enjenerik LTD employs cutting-edge data analytics to extract valuable insights from vast datasets. By leveraging predictive analytics and machine learning algorithms, we enhance decision-making processes for exploration, drilling, and production optimization.

Real-time Monitoring: Our data analytics solutions include real-time monitoring systems, allowing for instantaneous feedback on drilling and production operations. This facilitates proactive decision-making, reducing downtime and improving overall efficiency.

Integrated Platforms: We offer comprehensive technology solutions, including integrated platforms that streamline communication and collaboration across different phases of oil and gas operations. These platforms enhance project management, data sharing, and decision coordination.

Automation and Control Systems: Geo Enjenerik LTD specializes in the implementation of automation and control systems to optimize drilling operations. Automated drilling technologies, sensor networks, and robotics contribute to increased precision, safety, and efficiency.

Satellite Imaging: We harness the power of satellite imaging for enhanced geological mapping and monitoring of oil and gas assets. Satellite data allows us to track changes in surface features, providing valuable information for exploration and environmental monitoring.

Unmanned Aerial Vehicles (UAVs): Utilizing UAVs, we conduct aerial surveys for rapid data collection and monitoring of remote and challenging terrains. This technology aids in site assessment, environmental impact studies, and infrastructure inspection.

Virtual Replication: Geo Enjenerik LTD employs digital twin technology to create virtual replicas of drilling and production operations. This allows for real-time monitoring, predictive maintenance, and simulation-based decision-making to optimize performance.

Data Protection: Cybersecurity is a paramount concern in our technology solutions. Geo Enjenerik LTD implements robust measures to safeguard sensitive data, ensuring the integrity, confidentiality, and availability of critical information.

Smart Sensors: Geo Enjenerik LTD integrates Internet of Things (IoT) devices, such as smart sensors, across oil and gas operations. These sensors collect real-time data on equipment performance, environmental conditions, and safety parameters, enhancing operational efficiency.

TECHNOLOGY AND DATA SOLUTIONS

At Geo Enjenerik LTD, we pride ourselves on our adaptability and expertise in seamlessly integrating with a diverse array of oil and gas field software. Our teams are well-versed in collaborating with industry-leading software solutions, ensuring compatibility and efficiency throughout the entire spectrum of exploration, drilling, production, and data management processes. Whether it's industry-standard platforms or customized software suites, our commitment to versatility allows us to optimize operations, enhance decision-making, and deliver tailored solutions that align with the unique needs of our clients in the dynamic oil and gas sector.

Exploration and Seismic Software:

- **Kingdom Software by IHS Markit:** Used for seismic interpretation and reservoir modeling.
- **Petrel by Schlumberger:** Offers a comprehensive platform for reservoir characterization, seismic interpretation, and well planning.
- **RMS by Roxar:** A reservoir management software, empowers oil and gas professionals by integrating diverse data sets and providing advanced modeling, visualization, and simulation tools for accurate reservoir understanding and optimized field performance.

Drilling Software:

- **DrillingInfo (Enverus):** Provides data analytics and insights for drilling operations, including well planning and real-time monitoring.
- **WellView by Peloton:** A drilling and well operations software that facilitates data management, reporting, and analysis.

Production Optimization Software:

- **ProdOps by P2 Energy Solutions:** A production optimization software that helps monitor and optimize oil and gas production.
- **Cyber Production Suite by Weatherford:** Offers real-time monitoring and optimization solutions for production operations.

Data Management and Integration Software:

- **Petroleum Experts (Petex):** Provides integrated software solutions for reservoir engineering, production, and data management.
- **OSIsoft PI System:** A real-time data infrastructure platform for collecting, analyzing, and visualizing operational data.

Asset Integrity and Maintenance Software:

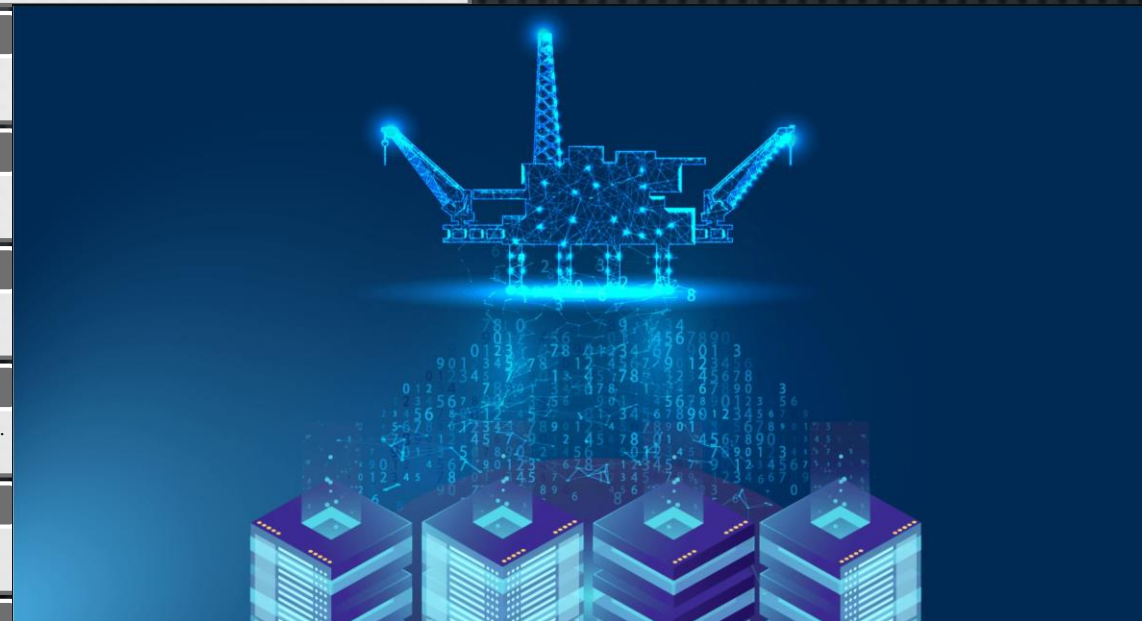
- **AVEVA Asset Performance Management:** Offers asset integrity and performance management solutions for the entire asset lifecycle.
- **IBM Maximo:** A comprehensive enterprise asset management system used for maintenance planning and execution.

Environmental Compliance Software:

- **EQulS by EarthSoft:** A data management and environmental compliance software for handling environmental data.
- **ERA Environmental Management Solutions:** Provides software solutions for tracking and managing environmental compliance.

Safety and Risk Management Software:

- **Sphera's Operational Risk Management (ORM):** Offers software solutions for assessing and mitigating operational risks in the oil and gas industry.
- **Enablon Safety Management:** A comprehensive safety management software for incident reporting, risk assessment, and compliance.



FACILITIES CONSTRUCTION AND MAINTENANCE



Facility Construction:

Turnkey Solutions: Geo Enjenerik LTD specializes in providing turnkey solutions for the construction of oil and gas facilities, ensuring a seamless process from project conception to completion.

Engineering Expertise: Our team of skilled engineers and project managers collaborates closely with clients to design and construct state-of-the-art facilities that meet industry standards and regulatory requirements.

Safety Priority: Safety is paramount in our construction projects, and we adhere to rigorous safety protocols to protect both personnel and the environment.



Facility Maintenance:

Proactive Maintenance Programs: Geo Enjenerik LTD offers proactive maintenance programs to ensure the ongoing reliability and efficiency of oil and gas facilities.

Predictive Maintenance Technologies: Leveraging advanced technologies such as predictive analytics and IoT sensors, we identify potential issues before they escalate, minimizing downtime and optimizing facility performance.

Regulatory Compliance: Our maintenance programs adhere to stringent regulatory standards, ensuring that facilities meet environmental, health, and safety requirements.



Environmental Considerations:

Green Building Practices: In facility construction, we prioritize sustainable and eco-friendly building practices, incorporating green technologies to minimize environmental impact.

Waste Management: Our projects include comprehensive waste management plans to ensure responsible disposal of construction materials and minimize the ecological footprint.

Environmental Compliance: Geo Enjenerik LTD strictly adheres to environmental regulations, conducting thorough environmental impact assessments and implementing best practices for sustainable facility operations.



Global Reach:

International Project Execution: Geo Enjenerik LTD has a global reach, executing facility construction and maintenance projects in diverse locations and challenging environments.

Local Expertise: With an understanding of regional regulations and considerations, we leverage local expertise to navigate unique challenges associated with international projects.

In summary, Geo Enjenerik LTD is a leader in facilities construction and maintenance, offering end-to-end solutions that prioritize safety, environmental responsibility, and technological innovation. From turnkey facility construction to proactive maintenance, our comprehensive approach ensures the longevity, efficiency, and compliance of oil and gas facilities across the globe.

FACILITIES CONSTRUCTION AND MAINTENANCE



- *COMPREHENSIVE ASSET TRACKING: GEO ENJENERIK LTD IMPLEMENTS ASSET MANAGEMENT SYSTEMS TO TRACK AND MONITOR EQUIPMENT AND INFRASTRUCTURE WITHIN OIL AND GAS FACILITIES.*
- *LIFECYCLE MANAGEMENT: FROM INITIAL INSTALLATION TO DECOMMISSIONING, OUR ASSET MANAGEMENT STRATEGIES COVER THE ENTIRE LIFECYCLE, OPTIMIZING THE USE OF ASSETS AND MINIMIZING OPERATIONAL COSTS.*
- *DATA-DRIVEN DECISION-MAKING: REAL-TIME DATA ANALYTICS ENABLE INFORMED DECISION-MAKING REGARDING ASSET MAINTENANCE, REPLACEMENT, AND UPGRADES.*

FLUID HANDLING AND TREATMENT

SPECIALIZING IN FLUID MANAGEMENT, GEO ENJENERIK LTD EXCELS IN TAILORING FLUID SOLUTIONS FOR DIVERSE OIL AND GAS OPERATIONS, ADDRESSING CRITICAL AREAS SUCH AS DRILLING, COMPLETION, AND PRODUCTION FLUIDS. WITH A COMMITMENT TO ENVIRONMENTAL RESPONSIBILITY, OUR FLUID HANDLING SERVICES EXTEND TO ADVANCED WATER TREATMENT PROCESSES, ENSURING PRODUCED WATER MEETS REGULATORY STANDARDS THROUGH INNOVATIVE TECHNOLOGIES LIKE MEMBRANE FILTRATION AND CHEMICAL TREATMENTS. IN THE REALM OF DRILLING FLUIDS, WE PRIORITIZE RHEOLOGICAL CONTROL FOR OPTIMIZED DRILLING PERFORMANCE, LUBRICATION, AND WELLBORE STABILITY, WHILE CONCURRENTLY DEVELOPING ENVIRONMENTALLY FRIENDLY FORMULATIONS. THE EXPERTISE FURTHER EXTENDS TO COMPLETION FLUIDS, PROVIDING SPECIALIZED SOLUTIONS FOR EFFICIENT WELLBORE CLEANOUT AND RESERVOIR STIMULATION. AS A LEADER IN FLUID HANDLING AND TREATMENT, GEO ENJENERIK LTD PRIORITIZES SAFETY, ENVIRONMENTAL COMPLIANCE, AND INNOVATION, EMPLOYING AUTOMATED SYSTEMS AND DATA-DRIVEN DECISION-MAKING TO ENHANCE OPERATIONAL EFFICIENCY AND MINIMIZE ENVIRONMENTAL IMPACT.



FLUID HANDLING AND TREATMENT



Water Treatment:

Produced Water Management: Geo Enjenerik LTD addresses the treatment and management of produced water, implementing technologies to separate contaminants and enable safe disposal or reuse.

Advanced Treatment Processes: Utilizing advanced treatment processes such as membrane filtration, chemical treatments, and electrocoagulation, we ensure produced water meets regulatory standards.



Drilling Fluids:

Rheological Control: Our drilling fluid services include the precise control of rheological properties to optimize drilling performance, lubricate the drill bit, and enhance wellbore stability.

Environmental Compatibility: Geo Enjenerik LTD develops environmentally friendly drilling fluid formulations, minimizing ecological impact while maintaining effective drilling operations.

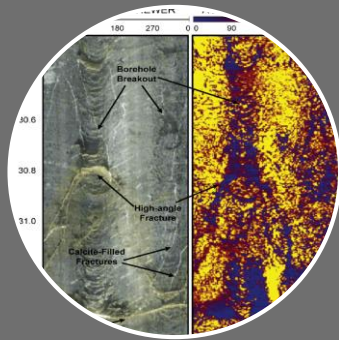


Completion Fluids:

Well Completion Optimization: We offer specialized completion fluid solutions to ensure efficient wellbore cleanout, gravel packing, and effective reservoir stimulation.

Compatibility Testing: Rigorous compatibility testing is conducted to ensure that completion fluids are compatible with reservoir conditions and do not negatively impact production.

GEOPHYSICAL SERVICES



Optical and Acoustic Televiewer Measurements

Lithology

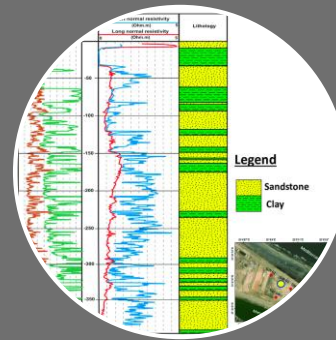
Oriented structural detail, including oriented core reference

Fracture detection and characterization

Bedding detection, including dip angle

Rock competency

Visual casing inspections



Resistivity, Single Point Resistance, and Spontaneous Potential

Lithology and facies changes

Bedding analysis

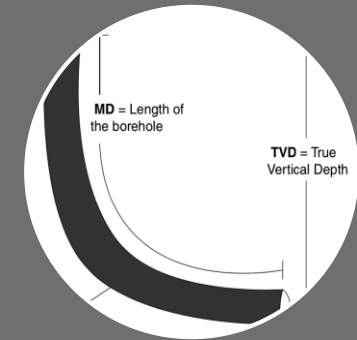
Ore body detection

Aquifer thickness

Water quality

Hydrocarbon occurrence detection

Grain size characterization



Deviation

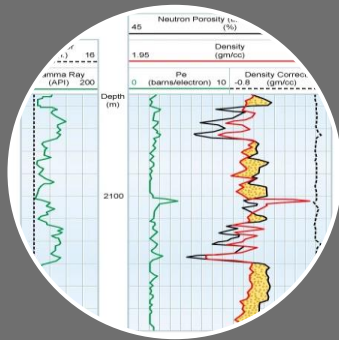
Borehole path XYZ trajectory

North-seeking non-magnetic gyros for deviation inside steel pipe or casing

Magnetic deviation including downhole magnetic feature location

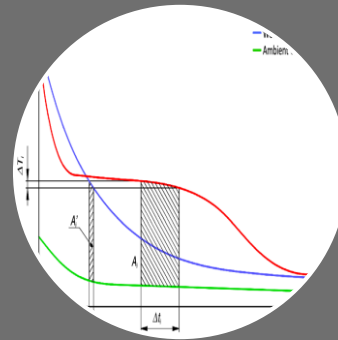


GEOPHYSICAL SERVICES



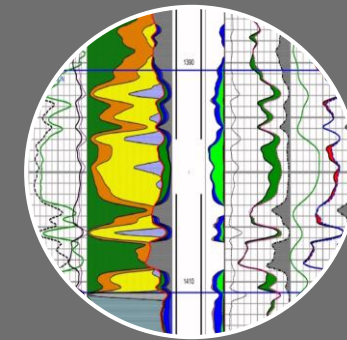
Natural Gamma

Lithology changes
Bedding delineation
Uranium detection and concentration
Grain size variation
Aquifer thickness and clay aquitard detection



Temperature, Differential Temperature, Fluid Resistivity/Conductivity, Fluid Flow, Water Samples)

Pumping and aquifer flow rate
Water table characterization
Water-well monitoring
Temperature gradients
Fluid samples
Depth-specific water quality and flow differentiation



The Quad Neutron

The Quad Neutron (Trademarked and Patented) is a four detector nuclear measurement tool specially designed for through pipe reservoir evaluation.
And all other well operations...



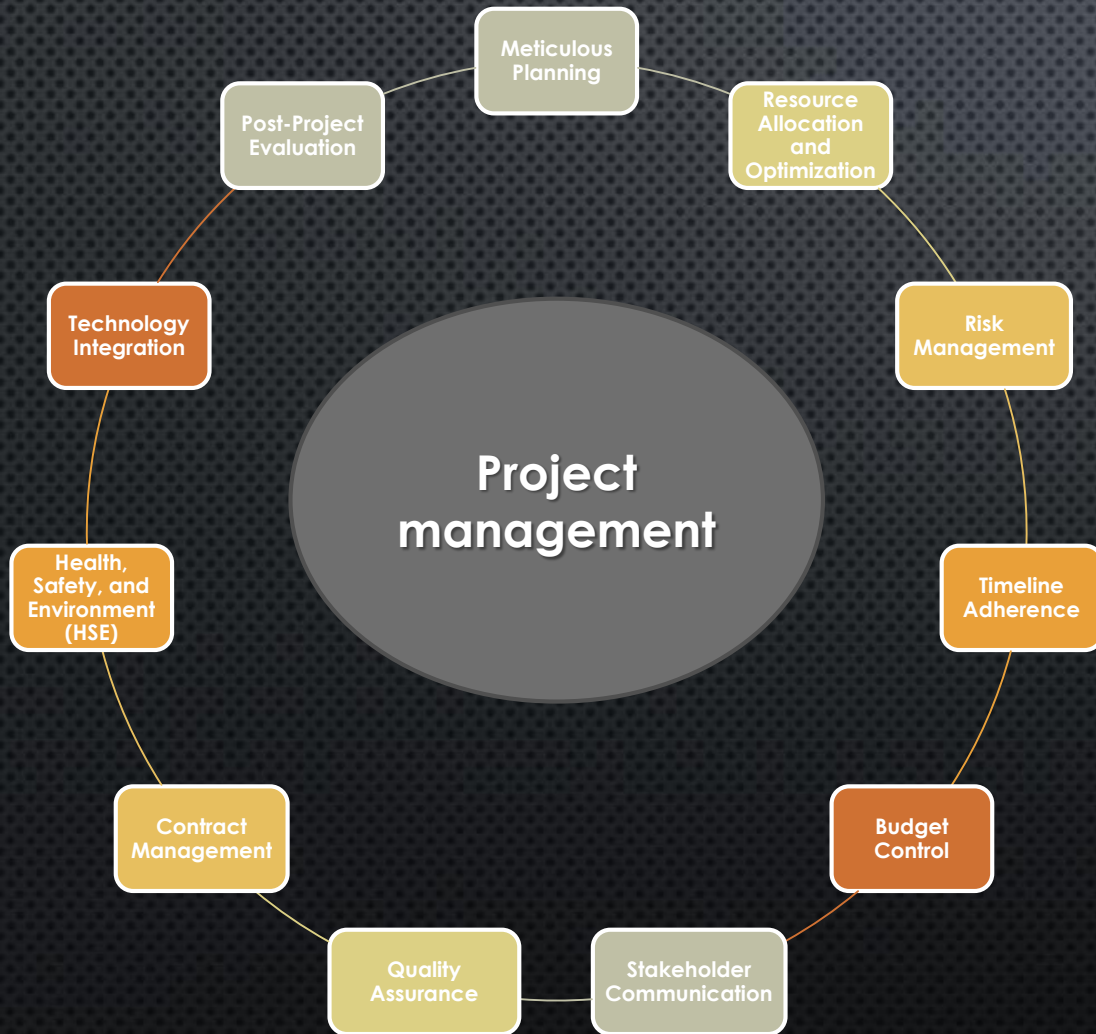
CONSULTING AND PROJECT MANAGEMENT

Consulting and project management services for us play a crucial role in ensuring efficient operations, compliance with industry standards, and successful project execution.



Our Consulting services provide strategic market insights, regulatory compliance expertise, and customized risk management solutions to optimize operational efficiency. We specialize in guiding clients through technological advancements, digital transformation, and industry best practices to enhance overall project feasibility. With a focus on innovation and tailored approaches, our consulting services empower organizations to navigate challenges and capitalize on growth opportunities within the dynamic oil and gas sector.

CONSULTING AND PROJECT MANAGEMENT



PRODUCTION SERVICES



Reservoir Management:

- Implement reservoir modeling and simulation to optimize production strategies.
- Monitor reservoir performance and adjust extraction methods for maximum recovery.

Enhanced Oil Recovery (EOR):

- Deploy advanced EOR techniques, such as thermal, chemical, or gas injection methods, to increase hydrocarbon extraction.
- Optimize injection and production rates to improve recovery efficiency.

Facilities Engineering:

- Design and optimize production facilities for efficiency and safety.
- Implement modular and scalable solutions for flexibility in production operations.

Asset Integrity Management:

- Implement comprehensive asset integrity programs to monitor equipment and infrastructure health.
- Conduct regular inspections and maintenance to prevent unplanned downtime.

Production Monitoring Systems:

- Utilize real-time monitoring systems to track production parameters.
- Implement data analytics for predictive maintenance and performance optimization.

Pipeline and Transportation:

- Construct and maintain pipelines for the transportation of oil and gas.
- Implement pipeline integrity management systems to ensure safe and reliable transport.

SAFETY AND TRAINING

Safety Protocols:

Comprehensive Safety Measures: Geo Enjenerik LTD prioritizes safety as a core value, implementing rigorous safety protocols across all operations to safeguard personnel, assets, and the environment.

Regulatory Compliance: Our safety procedures align with local, national, and international safety standards, ensuring strict adherence to regulatory requirements and industry best practices.



Training Programs:

Customized Training Initiatives: We offer customized safety training programs designed to address specific risks and challenges within the oil and gas industry, catering to both new hires and experienced personnel.

Hands-On Simulations: Practical, hands-on simulations form a crucial part of our training, allowing personnel to experience and respond to various scenarios, enhancing their readiness for real-world situations.



Behavior-Based Safety:

Cultivating a Safety Culture: Geo Enjenerik LTD fosters a behavior-based safety culture, encouraging all team members to actively identify and mitigate potential hazards in their work environment.

Continuous Improvement: Regular safety audits and feedback mechanisms contribute to a continuous improvement mindset, ensuring that safety measures evolve in response to changing conditions and industry advancements.

CERTIFICATES

Sertifika
Certificate

DSR
CERTIFICATION

GEO ENJENERİK GEMİCİLİK SERVİS VE ZEMİN ETÜT MÜHENDİSLİK LİMİTED ŞİRKETİ

KOCATEPE MAHALLESİ YAĞ İSKELESİ CADDESİ NO:1529 BAYRAMPAŞA / İSTANBUL

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu Kalite Yönetim Sisteminin

is audited by DSR Certification and applied Quality Management System meet the requirements of

ISO 9001:2015

standartına aşağıdaki kapsamda uymakta olduğu gözlenmiştir.
standard for the following activities.

GEMİCİLİK, ZEMİN ETÜT, JEOLÖJİ, SİSMİK İŞLER VE KAZI İŞLERİ

SHIPPING, GROUND SURVEY, GEOLOGY, SEISMIC WORKS AND EXCAVATION WORKS

Sertifika No / Certificate No: QMS-22.11.399-1

10.01.2023 Sertifika Tarihi Certificate Date	10.01.2023 Sertifika Son Basım Tarihi Certificate Last Issue Date	09.01.2024 Sertifika Geçerlilik Tarihi Certificate Expiry Date
--	---	--

3 Yıllık
Belgelendirme Periyodu
Certification Period

EA Kodu/EA Code: 28-31

DSR
CERTIFICATION
ISO 9001:2015 CERTIFIED

ONAY
APPROVAL
T.C. MİLLÎ EĞİTİM BAKANLIĞI
T.C. DEĞERLER VE AHLAK BAKANLIĞI

IAF
MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT

IAS
ACCREDITED
Management System
Certification Body

DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.
Yeşilbağlar Mah. Selviül St. Heliş Beyaz Otlu 2/1 A Blok No:287 PENDİK / İSTANBUL / TÜRKİYE Tel: +90 216 606 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

Sertifika
Certificate

DSR
CERTIFICATION

GEO ENJENERİK GEMİCİLİK SERVİS VE ZEMİN ETÜT MÜHENDİSLİK LİMİTED ŞİRKETİ

KOCATEPE MAHALLESİ YAĞ İSKELESİ CADDESİ NO:1529 BAYRAMPAŞA / İSTANBUL

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu Çevre Yönetim Sisteminin

is audited by DSR Certification and applied Environmental Management System meet the requirements of

ISO 14001:2015

standartına aşağıdaki kapsamda uymakta olduğu gözlenmiştir.
standard for the following activities.

GEMİCİLİK, ZEMİN ETÜT, JEOLÖJİ, SİSMİK İŞLER VE KAZI İŞLERİ

SHIPPING, GROUND SURVEY, GEOLOGY, SEISMIC WORKS AND EXCAVATION WORKS

Sertifika No / Certificate No: EMS-22.11.399-1

10.01.2023 Sertifika Tarihi Certificate Date	10.01.2023 Sertifika Son Basım Tarihi Certificate Last Issue Date	09.01.2024 Sertifika Geçerlilik Tarihi Certificate Expiry Date
--	---	--

3 Yıllık
Belgelendirme Periyodu
Certification Period

EA Kodu/EA Code: 28-31

DSR
CERTIFICATION
ISO 14001:2015 CERTIFIED

ONAY
APPROVAL
T.C. MİLLÎ EĞİTİM BAKANLIĞI
T.C. DEĞERLER VE AHLAK BAKANLIĞI

IAF
MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT

IAS
ACCREDITED
Management System
Certification Body

DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.
Yeşilbağlar Mah. Selviül St. Heliş Beyaz Otlu 2/1 A Blok No:287 PENDİK / İSTANBUL / TÜRKİYE Tel: +90 216 606 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

Sertifika
Certificate

DSR
CERTIFICATION

GEO ENJENERİK GEMİCİLİK SERVİS VE ZEMİN ETÜT MÜHENDİSLİK LİMİTED ŞİRKETİ

KOCATEPE MAHALLESİ YAĞ İSKELESİ CADDESİ NO:1529 BAYRAMPAŞA / İSTANBUL

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu İş Sağlığı ve Güvenliği Yönetim Sisteminin

is audited by DSR Certification and applied Occupational and Safety Management System meet the requirements of

ISO 45001:2018

standartına aşağıdaki kapsamda uymakta olduğu gözlenmiştir.
standard for the following activities.

GEMİCİLİK, ZEMİN ETÜT, JEOLÖJİ, SİSMİK İŞLER VE KAZI İŞLERİ

SHIPPING, GROUND SURVEY, GEOLOGY, SEISMIC WORKS AND EXCAVATION WORKS

Sertifika No / Certificate No: ISG-22.11.399-1

10.01.2023 Sertifika Tarihi Certificate Date	10.01.2023 Sertifika Son Basım Tarihi Certificate Last Issue Date	09.01.2024 Sertifika Geçerlilik Tarihi Certificate Expiry Date
--	---	--

3 Yıllık
Belgelendirme Periyodu
Certification Period

EA Kodu/EA Code: 28-31

DSR
CERTIFICATION
ISO 45001:2018 CERTIFIED

ONAY
APPROVAL
T.C. MİLLÎ EĞİTİM BAKANLIĞI
T.C. DEĞERLER VE AHLAK BAKANLIĞI

IAF
MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT


IAS
ACCREDITED
Management System
Certification Body


DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.
Yeşilbağlar Mah. Selviül St. Heliş Beyaz Otlu 2/1 A Blok No:287 PENDİK / İSTANBUL / TÜRKİYE Tel: +90 216 606 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

CONTACT



 KOCATEPE MAH. YAĞ İSKELESİ CAD. BAYRAMPAŞA/ İSTANBUL

 www.geoenjenerik.com.tr

 +90 544 150 45 15

 info@geoenjenerik.com.tr