



JOENY HOLDINGS LIMITED

HEAD OFFICE

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Big Treat Bakery, Rukpokwu, via Airport Road, Port Harcourt,
Rivers State, Nigeria

LAGOS OFFICE

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Joeny delivers Precision Engineering Solutions to Oil and Gas clients in Nigeria. We add superior value to client's operations by ensuring the highest level of QHSE and total excellence in service delivery. Our advance Project Management Model enable us to execute and deliver projects to time, quality and within approved budget.

Joeny is well structured and effectively managed by a highly motivated team of dedicated and committed Nigerians who possess diverse experience that qualify the value and level of service we deliver to clients.

Joeny Group is made up of the following legal entities:

Joeny Holdings Limited

EPC, EPICOM, Turnkey Projects, Engineering & Management Services. Mechanical & Civil Construction

Target Drilling Services Limited

Drilling, Workover and Completion. Well Re-entry, Well Kill & Pumping, Cementing Operations

Joeny Integrity Limited

Facility Maintenance Services. Well/ Valve Maintenance, Pipeline/ Flowline construction, Pigging/Flowline Maintenance

Joeny Well Services Limited

DST, TCP, Slickline & Wireline Services.



JOENY Holdings and all its subsidiaries are managed by a team of experienced Nigerian professionals who are committed to service excellence.

OUR VISION

To be the preferred Integrated Energy Services provider in Nigeria and across Africa.

OUR MISSION

To provide best in class solutions to our clients leveraging on Technology, Innovation and global best practices.

OUR CORE VALUES

*Excellence *Adaptability *Global perspectives *Integrity *Ethics *Safety

OUR CORE VALUES INCLUDES THE FOLLOWING

1. We value, motivate and continuously develop our personnel
2. Act with professionalism and fairness as we deliver our duty to all our clients
3. To work with integrity and remain trustworthy in conducting our business activities
4. We preserve the natural environment and give back to the community

CRITICAL SUCCESS FACTORS

Attract, manage and retain the best personnel in the industry to ensure we stay ahead of competitors
HSE shall remain a priority in our strategic planning and decision making to ensure we avoid incidence
We shall always capture critical learning points for continuous improvement in the delivery of services
We continue to leverage on the opportunities of the National Content Act (NCD) to grow our business
We shall continue to nurture well viable partnerships with foreign companies and relevant OEMs

OUR CLIENTS IN NIGERIA



Nigerian Agip Oil Company (ENI):
Well head services, Flow station maintenance, Workover, Electric power installation and Supply services etc.



Total Exploration & Production Nigeria Ltd:
Well Workover, Well intervention (Slickline), Wellhead services etc.



Nigerian Petroleum Development Company:
Flow station maintenance etc.



Shell Petroleum Development Company:
Wellhead services, Well Abandonment, Workover etc.



Seplat Petroleum Development Company Ltd: Well intervention, Maintenance services and workover services etc.



Xenoil Energy Resources Limited / Del-Sigma Alliance



Addax Petroleum Development Company:
Workover Services



JOENY HOLDINGS LIMITED



Joeny Holdings is the parent body of the entire Joeny group. As one of the reputable indigenous company in Nigeria, Joeny has successfully distinguished itself from competitors and maintained a visible lead in the industry. Our commitment to quality is enforced by our ISO 9001 certification with PECB, Canada.

Our Services

1. Engineering, Procurement & Construction (EPC)
2. Turnkey Projects.
3. EPICOM,
4. Electrical Projects,
5. Mechanical Construction
6. Civil Construction



POWER UPGRADE

FROM DETAILED ENGINEERING DESIGN,
PROCUREMENT & CONSTRUCTION

NAOC OBOB-EOC POWER TRANSMISSION PROJECT WITH FOLLOWING DIMENSIONS:

- Engineering Site Survey
- Detailed Engineering
- Procurement
- Supply
- Construction
- Commissioning/Start-up
- Accountabilities:
- 4km long 33kV Overhead Transmission Line
- 7No. Transformers up to 37.5MVA
- 33kV switchgears
- 11kV switchboard extension and upgrade
- Mini Substations

PIPING PROJECT:

- Right of Way survey & Topographic Set-out
- Design
- Supply
- Spooling & fabrication
- Process design etc.



TARGET DRILLING

HYDRAULIC WORKOVER SERVICES:

TARGET DRILLING is involved in drilling, work-over and completion with highly trained and experienced personnel in drilling and work-over with expertise on Hydraulic work-over operations.



- Drilling Operations
- Abandonment and Well Securing
- Well Kill and Pumping Operations
- Filtration Services
- Workover and Completion Services
- Well Re-entry Operations
- Cementing Operations
- Well Operations Turnkey Projects

THE HYDRAULIC WORKOVER (SNUBBING) UNIT

The Hydraulic Work-over Unit (HWU) is a diesel powered and hydraulic operated unit used in generating push, pull and torsion forces on the work-string and completion tubing for achieving specific tasks and objectives.

Well configuration and objective determines the rig up mode. Units are designed to be rigged up quickly and can be mounted on a Christmas tree using a sub structure through which the forces/load transmitted is shared or distributed (so the tree sub structure is not overloaded, as an added safety measure).

It can also be rigged up directly on the wellhead but it must be capable of supporting the weight of the unit and the forces generated during the pulling and push effect.

The units are designed to handle pipe without the use of a conventional workover rig. All components are compact and utilized for minimized rig up time. They operate in any terrain including land, swamp, shallow and deep offshore.

THE HWU HAS 3 MODES OF OPERATION

1. **SNUBBING MODE**
Applicable when the well is 'live' and the unit is rigged up on Christmas tree. Used mostly for thru-tubing intervention.
2. **WORKOVER MODE**
Applicable when the well is 'killed' (or dead). Christmas tree is removed and BOP's/HWU unit is rigged up on the wellhead or on a substructure.
3. **DRILLING MODE**
When is mounted on a substructure and easy racking system used, rotary torque capacity increased. Fluid circulation, segregation and conditioning unit configured for drilling

JOENY HWU APPLICATIONS

- Running and pulling of production strings.
- Fishing of parted tubing or lost wire-line tools.
- Squeeze cementing or setting of cement plugs.
- Gravel packing/ESS installation.
- Well abandonment.
- Milling/retrieval of permanent packers, cement retainers etc.
- Cement drill out operation.
- Completion or re-completion with packers, safety valves, and gas-lift valve, ESP's and flow controls.
- Well control services.
- Sand washing/well clean out services.
- Ability to Rig Up Coiled tubing, Slick and Electrical wire-line for Logging, setting of permanent packers, plugs, slick-line operation, etc.
- Acid washing and acid stimulation.
- Unloading with Nitrogen or foam.
- Drill Stem Test (DST).
- TCP perforating.

400 TONES CASING JACK for Well Abandonment



HYDRAULIC POWER PACK

The Hydraulic power pack's supplies hydraulic power to the unit. The unit are equip with two power packs one on standby while the other will be active. The power packs has a one piece skid frame, which encloses a Detroit Diesel, 8V series 60, engine and or VOLVO TA01242VE code II 383KW engine and a complete hydraulic system.



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FILTRATION SERVICES



We offer brine filtration services, we are well equipped with state of the art brine treatment equipment, namely; twin pot filters, press unit, sludge tanks, storage tanks, centrifugal pumps, turbidimeters and the consumables

OUR WORKOVER UNITS

TARGET DRILLING currently own 3 x 340,000 lbs. RDE hydraulic snubbing/workover units, all actively in operation in Nigeria, one of which is truck mounted which also has the capability to work both on land and swamp locations

They include

340KRDE HWU - GRACE 101

340KRDE HWU- DIVINE 102 (TRUCK MOUNTED)

340KRDE HWU

QHSE

- Reduced exposure to hazards due to reduced personnel on location.
- Reduced impact on environment due to compact nature of unit.
- Reduced community attention on operations due to unconventionality.

COST OPTIMIZATION BENEFITS

- Delays associated with lost production when mobilizing conventional rigs is significantly minimized.
- Well AFE cost reduced by over 50% in offshore application compared with conventional Jack-up Rig.
- Small crew size and logistic problem.
- Can work in a space-constrained location (Very small footprint in Offshore Locations).
- Fast rig-up & rig-down time (12 to 24 hrs. each) and between 8 - 16 hrs. for the truck mounted
- Reduced attention from host community due to small size of unit and its compactness compared to a conventional rig.

JOENY GRACE 101 ON

A 5 Well Turnkey Workover Project in NAOC location at Samabri / Biseni Well Cluster. This operation was carried out on each well without having shut down any of the well on stream (2018)



JOENY WELL SERVICES LIMITED

This subsidiary is dedicated to providing excellent service in the areas of

- Well Intervention
- Drill Stem Testing
- Tubing Conveyed Perforation...

Our service delivery meets and exceeds the demanding customer requirements in Nigeria due to our global alliance and continuous self-improvement from the high standards we set for our operations

For all your well interventions, gauges, perforations and underbalance creation through drill stem testing services think first JOENY HOLDINGS LIMITED for your one-stop solution provider...



WELL INTERVENTION SERVICES

JOENY is committed to maintaining all equipment to the highest standards. Our commitment to support through comprehensive spares, defined maintenance schedules and investment in facilities is evident in very contract we hold or have executed in the past.

We have sourced and entered into services and OEM support with global brands like NOV ELMAR for Slickline equipment's and DYNAenergetics® for perforating accessories in TCP operations. JOENY continuously invest in our infrastructure and people by continuous investment in training and personnel development.

We believe we have an unparalleled track record in delivering service quality in our core product lines. Our team is supported by an organization with a depth of knowledge and experience that ensures sustainable operational excellence.

JOENY's cross-functional operations structure has enabled us to concentrate on the selection of the most appropriate Wireline systems to suit well conditions.

The range of Wireline Intervention JOENY typically performs includes:



- Drift runs / Gauge Cutter
- Lead Impression Block
- Swabbing
- Downhole Video
- SCSSSV installation / retrieval
- Gas lift Valve installation / retrieval
- Bottom hole pressure and temperature surveys
- Reservoir isolation
- Plug running and pulling
- Bottom Hole Sampling
- HPHT well work



Drill Stem Testing Services

JOENY offers the complete well test package, utilizing some of the industry's most reliable technologies.

A major part of this is our Drill Stem Testing (DST) offering, where we provide multi-function and single –cycle cased hold DST tools for exploration well testing.

Drill Stem Test offers the fastest and safest method of evaluating the potential of a newly discovered hydrocarbon-bearing formation. After the well has been drilled and cased, the first stage of a well test is to run a DST string in conjunction with Downhole data system and Tubing Conveyed Perforation (TCP) and Sampling.

The DST bottom hole assembly is designed around your test objectives and well parameter using tools with an establishment track record to deliver reliable performance.

We provide multifunction and single-cycle cased hole DST tools for exploration well testing.



Our Standard DST string Includes:

- Slip Joint-allows the string to contact and expand with temperature without affecting the internal pressure or volume
- Single shot circulating valve-single shot tool used to circulate tubing contents after over pressure of the annulus
- Multi –function circulating valve-used to reverse out tubing content fluid weights including spotting nitrogen and efficiently spot viscous pills
- Self-fill tubing testers valve-used to pressure test the tubing while running in the well.
- Safety valve-single shot tool used to shut in the well down hole with over pressure annulus
- Tester valve-used to shut-in the well Downhole to obtain formation pressure, as a fluid-loss control tool and a safety shut in-valve
- Gauge carrier-houses high accuracy pressure and temperature gauges.
- Tubing conveyed sampler carrier-houses bottom hole samplers that can be selectively fired from surface.
- Hydraulic Jars-allows adjusting the tension in the work string to deliver a jarring action of the required intensity.
- Retrievable packer and safety joints-JOENY provides a range of retrievable casing packers for sizes from 4_1/2" to 13_3/8" casings are available.
- Tubing conveyed perforating system-industry standard perforating services.

Our tools have been manufactured for sour service, giving them reliable performance in H2S, CO2 and acidic environments downhole.



TUBING CONVEYED PERFORATION SERVICES

JOENY have both current Radioactive and Explosives licenses to import, store, and load/transport hazardous substances in Nigeria.

We employ an operational workforce of qualified DST and TCP personnel in Nigeria. We are supported with alliance partnership with DYNAenergetics®. We operate to established QHSE Management Systems and Quality Processes and work to ISO 9001 2000 standards.

JOENY work very closely with local logistics and supply organizations to ensure that our Dangerous Goods practices are aligned not only with European directives, but also to any country specific regulations that we need to account for.

Best-in-class manufacturers, who ensure that all data is available for API charge testing, provide our Gun Systems and also all batch traceability to source.

Our Personnel are highly trained and qualified, and are backed up by perforation experts onshore. We recognize the importance (and business value) of providing well-trained professional TCP specialists. We are therefore committed to recruiting and training new TCP staff as well as continuing to develop our existing personnel.

JOENY INTEGRITY NIGERIA LIMITED

WELL HEAD AND VALVES MAINTENANCE SERVICES



We are an indigenous Company incorporated to offer Global Maintenance, Facility Upgrade and Maintenance, Well Integrity Enhancement and Upgrade, Well/Valve Maintenance Services, Pipeline/Flowline Construction and Maintenance Services, Pigging/Pipeline/Flowline Leak repair and Maintenance. We also have highly experienced personnel both in Diving and Construction Services.

Our clients includes Shell Petroleum Development Company of Nigeria, Nigerian Agip Oil Company Limited, Total etc. We are currently rendering services in the area of Maintenance of Wellheads and Valves, Gas Plant Maintenance, Procurement and other related services.

Wellhead Maintenance is basically a program of activities carried out to guarantee the integrity of all the

FIRST LINE WELLHEAD MAINTENANCE

In this procedure, after obtaining the necessary documentation and authorization;

- Crew mobilizes to location and carry out visual inspection of the wellhead components;
- Record all missing components [if any];
- Note all signs of damages, wears or leaks at surface;
- Monitors well pressures;
- Function test all valves [including surface safety valves, actuators and sub-surface safety valves];
- Greasing [lubrication] of valves;
- Checking of Hangers & X-Bushings integrity
- Carry out minor repairs.

A detail report is submitted at the end of the exercise with a pictorial sketch of the wellhead and a photograph [where the use of digital camera is allowed]



SECOND LINE WELLHEAD MAINTENANCE

- Repairs and/or replacement of all missing or malfunctioned parts, based on the First Line Maintenance Reports.
- Undertake all Hook-up jobs to the flow lines;
- Installation/retrieval of Non-return or Backpressure valves [NRV or BPV] to guarantee safety barriers while carrying out activities on the wellhead.
- Well securing.
- Supply spares for our clients stock or for replacement on the wellheads.

AD-HOC JOBS

- Ad-hoc jobs are basically the same as Second Line Maintenance but on Call Out basis, NOT PLANNED.

OUR PERSONNEL

We have an array of upward-mobile Nigerian Engineers and Technicians who are well versed on the job as well as virtually every areas of the Oil & Gas industry. Our Engineers are also offshore compliance with BOSIET, IWCF and other relevant certificates.

SAFETY

In order to carry out wellhead maintenance activities in a safe and professional manner, with regards to personnel's health and safety; Client's and third party equipment handling; Environment and host communities safety; we normally issues "Operations Guidelines" to our team of Engineers and Technicians who are competent persons on the job and are very much at home with safety requirements in the Oil & Gas Industry.

Tool-box-talk is compulsory before commencement of every job and a job-specific JHA is part of our QA/QC management process. Also, near misses, UA/UC, etc. are fully reported, documented and disseminated.



We have highly experienced working personnel both in Diving and Construction Services. Our services are backed up with foreign expertise and with good indigenous working personnel who are familiar with harsh nature of marine environment. We conducts our work under strict coherence to various International Standard and also to our clients lay down safety rules and regulations.

FOR YOUR NEXT PROJECT, BE IT DIVING, TOPSIDE REFURBISHMENT, CONSTRUCTIONS OF MARINE FACILITIES, EPIC PROJECTS AND PROCUREMENT (LOCAL AND OFFSHORE) MAKE IT ALPROT ENGINEERING LIMITED AND YOU WOULD APPRECIATE THE VALUE OF YOUR MONEY.

UNDERWATER INSPECTION SERVICES

- CP reading for corrosion protection
- Ultrasonic thickness testing
- Underwater video and photography
- UWILDS, (underwater inspection in lieu of dry dock)
- Dam Maintenance Services



UNDERWATER WELDING AND CUTTING

- Structural repairs
- Retro fitting of anodes
- Broco systems of burning



UNDERWATER SALVAGE OPERATIONS

- Vessels, barges all types
- Search, recovery and salvage

DIVING SURVEY OPERATIONS

- Surveying of pipelines and pipe lay routes.
- General offshore positioning
- Support for Lay barge, Derrick barge, jack up rigs operations.

EQUIPMENT LEASING

- Subsea Inspection equipment
- Portable dive system

PROCUREMENTS

- Diving Equipment (SCUBA and air dive system).
- Steel Products and Flanges of various sizes
- Technical tools
- Provision of the combination of those services listed above to clients requires much more than knowledge of operation.
- It requires competent management that adopts recent technological approach to operation in order to meet current challenges.

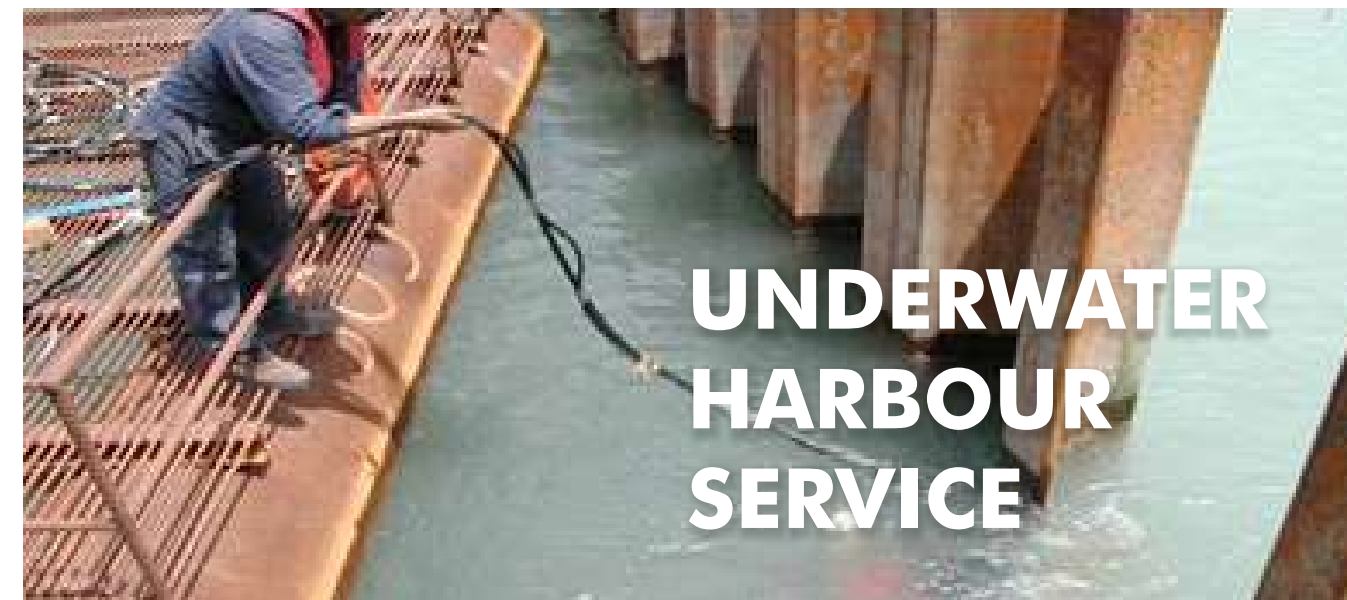
We are constantly researching into innovative methods that ensures improved quality and effectiveness of its operations



In every project undertaken, we apply appropriate project management procedure to effective execution and in accordance to applicable and acceptable standards. In doing this, we take into consideration our client's interest and expectations. We also adopt a comprehensive method of risk management and assessment as it relates to the specific services being carried out.

Since risk management is a continuous process throughout the duration of the project, we always ensure that personnel have a constant awareness of risk in mind during project execution.

After the receipt of work orders or the scope of work statement, a strategic planning is made to enable successful result or outcome as it relates to the project.



We are an integrated team with other subsidiaries of Joeny group and fully available for integrated services as we have access to some SEWOP with enough deck space to carry all equipment required for the services listed above.

These offers will come at a very competitive rate.

With our unique offer, our client can re-enter and produce a swamp or offshore field without the problems of mob/demob of the various equipment needed at various segment of the operations and most of all cost effectiveness.



SCUBA REPLACEMENT PACKAGE COMPLETE WITH ACCESSORIES



For deeper offshore operations with ranges beyond 30meter water depth, we also have access to DP2 Vessel equipped with ROV, Surface supply air Dive System for subsea work up to 65meter, Saturation Dive System and surface work crane with safe work load of 50 metric tons. The vessel has a deck space of 700m2 and 76meter long. The vessel will be made available for extensive campaign.

We are available to plan and work through with your operation team to maintained, produce and flow your oil or gas wells onto facilities that you have ascertained the integrity. We are your one stop shop for total oil field servicing needs.

JOENY MACHINE SHOP

LATHES MACHINES, MILLING MACHINES, 21
" HOLLOW LATHE MACHINES

*Joeny API Machines are specially designed for fabrication and recut of all kind of API
Rotary Shoulder Connections such as:*

• IF Connections • Regular Connection • Premium Connections

Some examples of the above are:

- IF Threads
- Regular threads
- ACMA Threads
- BTC
- VAM
- NEW VAM
- VAM TOP
- CS and EUES, etc.
- Cross Over and Flanges of different sizes



We have the latest machines that are capable of modifying Pup Joint, Blast Joint and Flow Coupling. In addition to the above, some other activities in the machine section includes but not limited to fabrication of Propeller Shaft of any size, Recut of Drill Pipes and Stabilizers of any shape.

With our reliable, effective and efficient professional machinist(s), you are rest assured of the finest fabrication/modification jobs.

TRAINING & DEVELOPMENT

Our staff are exposed to continuous safety and technical training and workshops in and outside our facilities...



Our staffs are exposed to continuous safety and technical training and workshop in and outside our facilities.

The objectives for the staff training and development are:

- To increase employee productivity
- To quickly address and close skill gaps and learning curves of employee
- To ensure satisfactory job performance by personnel on the job roles to be able to meet and exceed client objectives.



Joeny is ensuring that safe and healthy working environment has to be key priority for everyone at work, and this requires real commitment, not just competence and good intentions.

Commitment is more than having attended a safety-training course; safety must be a culture for all staff. We have established procedures to ensure that our company has the right people with the right knowledge and skills to manage occupational risks and hazards. Health and safety training is not a one-off exercise, that is why in Joeny it has become a culture and has been built into ongoing business management at all levels.



Joeny provides all levels of undergraduate and young engineers the opportunity they need to excel and develop themselves into young professionals in the oil and gas industry.

Lai Pulo is one of the leading experts in conventional and heavy oil recovery in North America and Africa. We provide technical consultancy, Training, R & D and IT services within the upstream petroleum industry. We apply research driven solutions coupled with extensive years of field based experience to provide environmentally safe and cost-effective solutions to meet client specific needs.

Lai Pulo is committed to bringing tomorrows technology today while keeping the environment safe.

What we do

Lai Pulo provides a complete end to end solution for you. Our goal is to bring the technology of tomorrow into recovering your oil and gas assets today. We use the latest and fastest technology coupled with many years of extensive field-based knowledge to evaluate your reservoirs whether they are easy, complex or difficult-to-produce. At any phase of development, we can manage your assets i.e. from initial reservoir studies through to full field development.

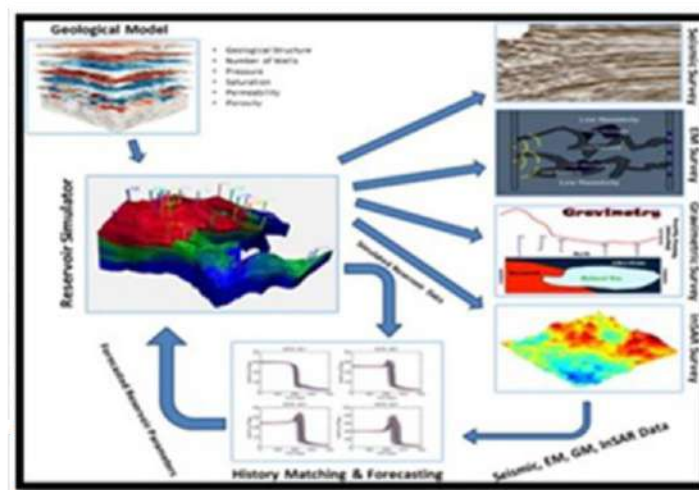
Technical Studies

... making technology work for you

Our professional team of Geologists and Engineers apply many years of field-based and research driven solutions to provide the detailed knowledge and insight required to make robust and informed decisions. Our access to a plethora of software suites enables us run detailed and extensive simulations for a wide range of technical studies (Reservoir and geological studies).

Reservoir simulation studies are an integral part of analyzing and forecasting performance of oil and gas reservoirs and particularly as a guide in field development optimizations. We simulate reservoir processes for

- Light and Heavy oil
- Thermal recovery process design (SAGD, CSS, NCG co-injection, Steam Floods)
- Tight formations,
- Weakly consolidated or unconsolidated sands
- Geo-mechanical operations
- Naturally fractured systems
- Multi-stage fracturing in horizontal wells
- Compacting formations



Asset Development & Management

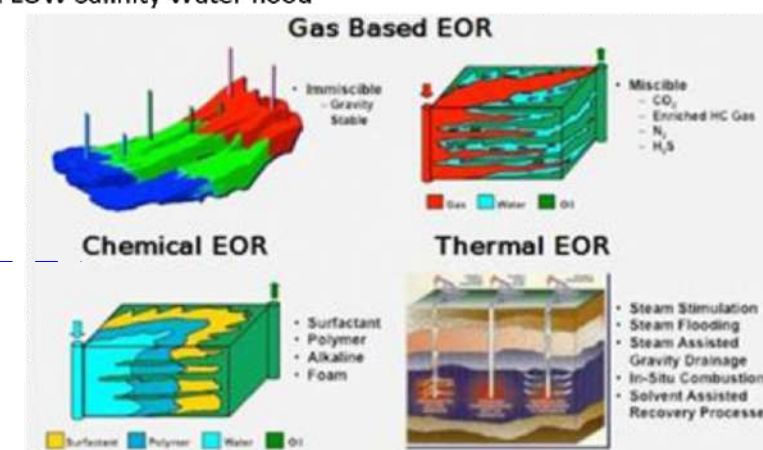
Our reservoir engineers have successfully tackled a broad spectrum of difficult reservoir engineering problems by the intelligent application of reservoir simulation.

- We integrate the reservoir's geology, rock/fluid interactions, PVT, and process mechanism to deliver reliable predictions of reservoir performance.
- We perform optimization studies and can quantify impact of well count, completion strategy, relative permeability, and VRR on recovery
- We have extensive experience in upscaling geologic models for reservoir simulation.
- Our engineers provide insight into process mechanisms, recommendations for improved reservoir management, and comprehensive guidelines for optimizing hydrocarbon recovery.
- If operational or organizational issues keep you from realizing the full potential of your asset, our team of Consultants can help

IOR/EOR Recovery Process Design and Implementation

We design and implement strategies for

- Alkaline/surfactant/polymer flood and CO₂ LOW Salinity Water flood
- Reservoir depletion strategies
- Sweep efficiency improvement and conformance control
- SAGD, CSS, Steam floods
- Water Flood design, management and optimizations
- Use of horizontal well technology to improve production performance
- Infill drilling
- Formation damage and injectivity analysis
- Multilateral/horizontal well application



Technical /Advisory Services

- We conduct resource assessments and reserves audits that meet SPE PRMS standards.
- We are also well versed with regional reserve classification systems
- Economic Evaluation, Acquisition, Swap & Divestitures

Training & Development programs

... preparing for the future

As the oil industry transits to a digital world, we seek to cover the gap that arises from technological developments. We provide trainings to equip reservoir engineers with the necessary skill sets needed to take on existing and future challenges. From fundamental concepts to advanced machine learning in reservoir management. Training programs are provided on site or remotely. These include

- Basic reservoir engineering (for Engineers and non-Engineers)
- Fundamentals of Diagnostic Fracture Injection Testing (DFIT)
- Decline curve & type curve analysis
- Fundamentals of PVT analysis
- Estimation fundamentals for in situ & unconventional reservoirs
- Big Data analysis and applications to reserves
- Flowing Material Balance & applications to reserves
- Pressure Transient Analysis & applications to reserves
- Engineering and geological procedures & workflow for reserves & resource estimation



IT/Data Analysis

Our IT competence includes software implementation and support for Oil and Gas applications, executing solutions to identified business problems using application, data bases and infrastructure. We have demonstrated successes in assuring full solutions functionality through workflow advisory and software training. This includes Data Analysis and Artificial Intelligence solutions to new and historical subsurface data aimed at improving enhancing recovery, as a result of better interpretation of available data

