

MELLAT
HOLDING

MELLAT HOLDING
PROFILE

www.mellatholding.com

Idrees Surchi

Chairman



WELCOME

We have been fortunate to achieve great success in our career in Kurdistan Iraq, as a Business Owner and investor. In line with the vision of Social Development economic growth, we have compiled a team which is personally invested in the future of the company, achieving business excellence over the past 20 years. Through the dedication of this team, Mellat Holding has established itself within the local market of Iraq. We, at Mellat Holding, are keen to meet fellow visionaries and entrepreneurs like you to develop our vision further and jointly, both in this country and world-wide.

Luqman Surchi

CEO



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ABOUT US

Mellat Holding Company was established 20 years ago with a dream of becoming a leading organization in Iraq and the Middle East. 20 years on, Mellat Holding Company had become Mellat Group comprising 14 companies covering various industrial and commercial sectors.

With the eventual relaxation of the economy in Kurdistan, Mellat was amongst the pioneering enterprises to establish multi-specialty companies to answer the needs of a fast-growing economy. It was our forward-thinking that prompted us to establish Mellat Group in Erbil - the capital of the Kurdistan region in Iraq - and to later expand to branches in Baghdad and Basra.

From these beginnings, we have achieved significant growth and expansion of activities led by a team of professional and dedicated consultants.

Through our commitment to excellence in standards and practices, and through solid relationships built with international partners who share the same vision and determination to succeed, Mellat Group was transformed into Mellat Holding Company.

OUR VALUES

Integrity

Integrity is one of the core pillars of our company and central to the way in which we conduct business and interact with people. Customers, suppliers, employees, and the community as a whole are treated with respect and the highest ethical standards.

Credibility

We have earned and maintained our trusted reputation among our stakeholders by being true to our word and by delivering what we promise

We have a trusted and reliable team focused on creating lasting relationships with our partners. We are committed to the development of shared visions for the long term success that make effective use of the capabilities we both bring to our partnerships.

We offer consistent quality and value for money through each and every one of our products and services. We "create memorable moments" every time we interact and are focused on continuing to build lasting relationships with all our customers.

To become one of the best Investment companies in Iraq and a reputable investment firm in the Middle East.

OUR MISSION

Partnering with international companies to invest in the local market, and investing in strategic infrastructure projects to ensure the continued development in the local economy.



DELEGATION

A horizontal leadership system, a strong belief in teamwork, openness to positive suggestions, constructive criticism, delegation of power, and responsibilities are the stepping stones to our success.



EXCELLENCE

We are dedicated to excellent, high-quality service aimed at succeeding and exceeding customer expectations.



RESPONSIBILITY

Our Corporate Social Responsibility policy is founded on respect for human rights and equality of opportunity. We believe in meritocracy in the workplace and in making a positive impact on the community.

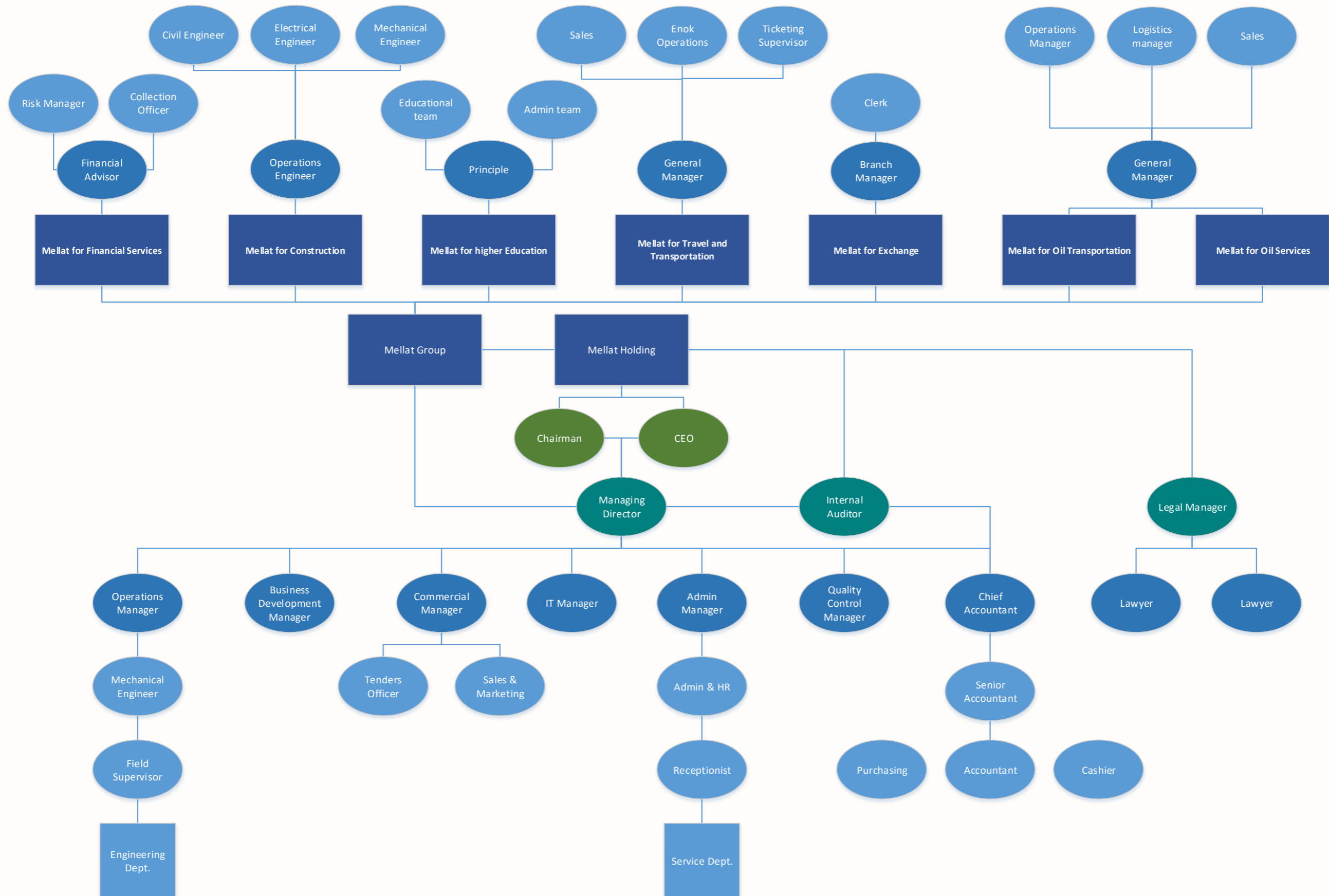


OUR TEAM

Mellat Group believes that a company is only as good as the team which drives it. Our company team comprises local professional and experienced members, along with expert consultants.

During our journey to where we are at present, we managed to make quantum leaps in growth and expansion of activities led by a team of professional and dedicated consultants.

By following the best possible administrative practices and international standards of excellence, in addition to cooperation with international partners who share the same futuristic vision and determination to succeed, Mellat Group was transformed into Mellat Holding Company.



Service

Service

OUR SERVICE



MEDICAL EQUIPMENT

MELLAT CO. FOR MEDICAL EQUIPMENT & SUPPLIES: We have executed contracts to supply ...



CURRENCY EXCHANGE SERVICES

MELLAT CO. FOR INVESTMENT & FINANCIAL SERVICES We have many projects that we have ...



SECURITY SERVICES

MELLAT FOR SECURITY SERVICES We are among the companies who are active in this....



INVESTMENT AND FINANCIAL SERVICES

MELLAT FOR INVESTMENT AND FINANCIAL SERVICES We have many projects that we have developed



GENERAL TRADING

MELLAT FOR GENERAL TRADING Mellat has obtained several agencies representation for international trading, among....



OIL AND GAS SERVICES

MELLAT FOR OIL & GAS SERVICES This company was established in the response of....

Service

Service

OUR SERVICE



HIGHER EDUCATION

MELLAT CO. FOR HIGHER EDUCATION Our contribution in the educational sector is our



TRAVEL AND TOURISM

MELLAT CO. FOR TRAVEL AND TOURISM: As a group, we were among the first



MEDIA AND ADVERTISE- MENT

MELLAT CO. FOR MEDIA & ADVERTISING: We are fully aware that media and



AGRICULTURE

MELLAT COMPANY FOR AGRICULTURAL PRODUCTS & LIVESTOCK Our beginnings in this field were simple



TRANSPORTATION AND LOGISTICS

TRANSPORTATION AND LOGISTICS Mellat for Transportation a subsidiary of Mellat Group. This company has



ELECTRICITY POWER GENERATION

We have executed many projects for generating and transforming stations as well as high tension



MELLAT CO. FOR MEDICAL EQUIPMENT & SUPPLIES

We have executed contracts to supply and install high-quality medical equipment and supplies in addition to radiology equipment and laboratories. We are considered amongst the primary contractors to furnish and supply the Ministry of Health and its various departments, also supplying ambulances and emergency cars for the Ministry.

We are in the process of participating in the construction of a specialized medical center in cooperation with first-class medical professionals of different specialties, as well as the establishment of a genetic testing center and ultra-modern radiology centers.

Our experience in this field enabled us to obtain agencies representation of international companies for medicine and medical supplies. We were successful in opening several pharmacies with unprecedented high standards. All of our activities are geared to contribute to the growth of the medical services sector in Kurdistan so that it is on par with the most advanced medical sectors in developed countries.

We have many projects that we have developed in this sector. Our specialized managerial staff handle consulting, real estate, investment, and real estate management. Our staff are experienced in the management and maintenance of housing complexes. We have a number of real estate properties in important locations.



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At present we are undertaking the development and maintenance of buildings, touristic towers and commercial markets in several regions of Kurdistan.

We still have a great ambition in investing in real estate to answer the growing needs of residential buildings, commercial markets, and office buildings. At present, we are developing several touristic and commercial towers for our company as well as some off-shore investors.

We manage financial investment portfolios and we do the planning and economic studies. We have undertaken financial and money changing services for several international and Iraqi companies in cooperation with banks and international finance companies. We have opened currency exchange and money transfer companies.

We are diligently developing our services in this sector and we are desirous to go into the form of partnership with an international bank to open a local, Bank. Our aim is to reach a level comparable to the international financial bank and insurance companies.



MELLAT FOR SECURITY SERVICES

We are among the top-ranking companies who are active in this specialized and critical field. We depend on an elite team of specialist in the latest technologies and equipment for security, protection and private and public surveillance.

We are also considered as pioneers in the technologies of monitoring transporters and cars. We also can provide armored cars and exclusive agency representation for the most important companies specializing in control and equipment and all that concerns this field. We have also communication channels with many international companies, and are considered pioneers in the most important security technologies world-wide.

INVESTMENT AND FINANCIAL SERVICES

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GENERAL TRADING

Mellat has obtained several agencies representation for international trading, among them agencies for construction material, sanitary supplies and wood, but also electrical junction boxes, cables, and other electrical and electronic supplies.

In the oil sector, we are responsible for the supply of special work suits, equipment and furnishings. Mellat has car importing agencies for passenger cars of different sizes and makes. Within the catering industry, we have agencies to import frozen meats, canned food and oil. At present, we provide services and supplies to several catering companies as well as hotels and restaurants. We also have agency representation for clothes, cosmetics, and perfume from well known retailers.



OIL AND GAS SERVICES

This company was established in the response of the needs of the oil service market in Iraq and Kurdi-stan region which witnessed an increased rate of investment in this field.

At present, Mellat Co. is involved in supplying provisions for many of the local international companies working in the exploration, development, and exploitation of oil wells in Iraq. Such provisions including pipeline, drilling, construction, mechanical equipment, welding, and chemical supplies with the highest standards and technologies.

Mellat Co. is covering the Oil and Gas from downstream going through midstream to upstream.

Mellat Co. for oil services is seeking wider cooperation with international partners in the oil exploration and refining industries taking into consideration the upsurge of finding new oil fields in the region, which calls for more investment on a wider scope. We are looking to implement and develop refineries in partnership with international concerns in addition to developing the existing oil fields.

● PIPELINE EPC CONTRACTS OUR PARTNERS

SICON OIL & GAS is a subsidiary of Consolidated Contractor (CCC) Group. CCC Group stands amongst the leading international contractors in the Oil and Gas industry. Maintaining this position necessitates continuous scrutiny and monitoring of the latest trends and practices in the contracting business at the highest levels.

In the early nineties, The Board of Directors of CCC Group recognized an expanding market for Engineering, Procurement, Installation and Commissioning (EPIC) Contracts. CCC Group made a strategic decision to secure the share of the Group in the Oil and Gas industry by establishing a design firm in the heart of Europe that would enhance the Group standing in Engineering and Manufacturing.

During the year 1992, CCC Group and a team of Italian engineers have founded SICON OIL & GAS that specializes in Design, Engineering, Procurement, Manufacturing and Management of Projects in the field of hydrocarbons and petrochemicals. The new entity, based in Milan, benefits from a diverse and wide network of branches and affiliates. Capitalizing on an internal expertise, global exposure and resources, SICON OIL & GAS has also expanded, over the years, to encompass projects in the Oil & Gas market, industrial clusters, petrochemicals and power generation in Asia, Africa, the CIS countries and the Middle East.



HASIB J. SABBAGH
Co-Founder
Late Chairman
of CCC Group



SAID KHOURY
Co-Founder
Late Chairman and
President
of CCC Group

SICON OIL & GAS is an EPC Contracting Company that undertakes full responsibility from the process of conceptual design up to the handover of turn-key EPC projects in the Oil & Gas field.

The core goal of SICON OIL & GAS is to generate engineering design that turns concepts into realities that operate safely, efficiently and reliably. This is achieved on the premises of safeguarding the environment and maintaining the welfare of habitats which are carried out on all levels and phases of any project.

“an EPC Contracting Company that undertakes full responsibility from the process of conceptual design up to the handover”



Several projects have been
successfully completed
around the world

-  *SICON OIL & GAS offices*
-  *SICON OIL & GAS projects*
-  *CCC Group offices*

WHERE WE ARE

SICON OIL & GAS has implemented a policy of expansion close to major Oil & Gas Clients by establishing registered Branch Offices and Operating Offices in UAE (Abu Dhabi), in Libya (Tripoli), in Kazakhstan with a plan for other countries (such as Algeria, Egypt, Saudi Arabia, etc.).

SICON OIL & GAS is registered with major Oil & Gas Companies and Operators such as: ADNOC, ADCO, ADGAS, GASCO, TAKREER, ADWEA, ZADCO, FERTIL, DOLPHIN ENERGY, QP, KJO, NOC LIBYA Group (all Companies), NGC Iraq, ENI group, SASOL, SONATRACH and SONELGAS Groups and with various Operators or Oil & Gas Ministries in Middle East, in CIS and in North Africa.



Several projects have been successfully completed around the world, upholding the highest standards of Health, Safety & Environment (HSE) and Quality.

WHERE WE SERVE

SICON OIL & GAS main expertise encompasses Onshore Upstream and Midstream sectors of the Oil & Gas industry. In house experience and capabilities are also extended to some fields of the downstream sector and to Offshore projects.

UPSTREAM & MIDSTREAM

- Wellhead Facilities
- Oil & Gas and Water Separation and Treatment
- Re-Injection systems
- Oil, Gas and Water Transportation with all associated Pipelines Facilities
- Storage and Loading systems

DOWNSTREAM

- Final Hydrocarbon Products systems (fuels, diesel oil, chemicals, etc.)
- Natural Gas Distribution
- Refinery units and Off-sites

POWER GENERATION

- Power generation plants
- Renewable Energy Systems

INDUSTRIAL PLANTS

SERVICES TO THE CUSTOMER

SICON OIL & GAS arranges for Export Credit Financing. SICON OIL & GAS attains Supplier and Buyer Credit facilities, up to 95% of the value of contracts, utilizing Italian banks, under SACE coverage.

With world-wide presence and the support of the Group, SICON OIL & GAS has enough attributes that enables it to tackle the most trying or challenging EPIC projects in all aspects. At the same time, SICON OIL & GAS performs engineering services and specialized tasks such as feasibility studies, FEED packages for open-art and licensed plants, and risk analysis utilizing internal resources.





“ performs engineering services
and **specialized tasks** ”



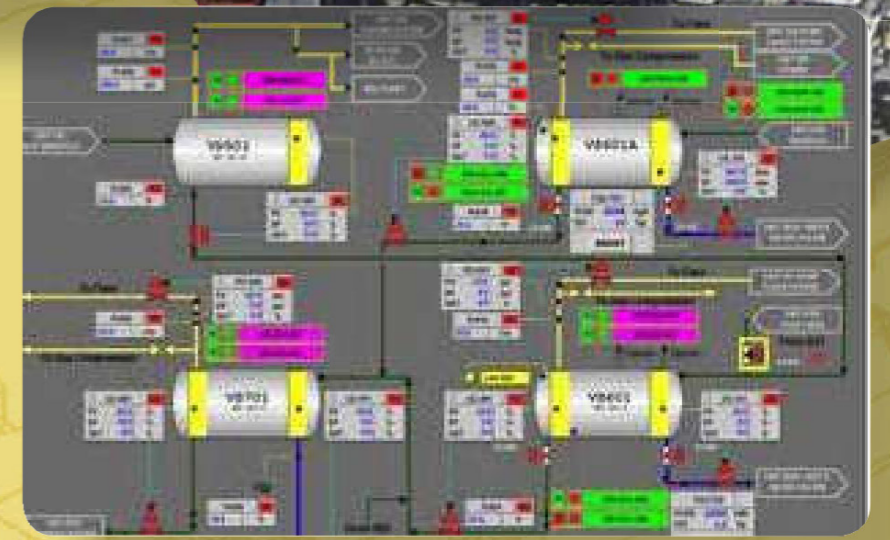
SICON OIL & GAS, while implementing Quality Assurance and HSE Management systems, provides several categories of services.

PROJECT MANAGEMENT SERVICES

- Feed Verification
- Preparation of Tender Packages
- Contract Administration,
- Development of Execution Plans, Procedures and Method Statements
- Project Control
- Cost Control
- Planning
- Change Control

ASSISTANCE FOR PROJECT FINANCING

- Project Financing (BOT, BOO, etc.)
- Buyer & Supplier Export Credit
- Documentary Credits



FEASIBILITY STUDIES

- Technical Optimization Studies
- Environmental and Safety Studies
- Risk Analysis
- Logistics Plans
- Country Surveys
- Capital and Operating Cost Estimation
- Financing Analysis
- Economic & Financial Profitability Studies
- Master Planning
- Budget

BASIC AND DETAILED ENGINEERING SERVICES

- Conceptual Design
- Basic Design
- Front End Engineering Design (FEED)
- Steady State & Dynamic Simulations
- Hydraulic Studies
- Fluidodynamic Studies
- Design Basis Definitions
- Equipment Sizing
- Material Selection
- Pipeline Design
- Piping Design
- Modeling and Stress Analysis
- Civil/Structural/Architectural & HVAC
- Electrical Design
- Instrumentation & Control Design
- Telecommunication & SCADA Design
- F&G Detection and Protection Design

PROCUREMENT & MANUFACTURING

- Vendors Qualification and Subcontractors Assessment
- Technical and Commercial evaluation
- Purchase Orders Placement and Contract Administration
- Inspection and Quality Control
- Expediting & Transportation
- Field Material Control and Handling at Site

CONSTRUCTION

- Construction Management (for EPCM jobs)
- Setup of Construction organization
- Assessment of Construction Partners or Sub-contractors (when required)
- Organization of Site Camps and Logistics
- Mobilization of manpower, equipment and tools
- Field Supervision & Inspection
- Construction Planning and Progress Control
- Fabrication facilities

COMMISSIONING, START UP, TRAINING & OPERATION

- Preparation of Procedures and Operation & Maintenance Manuals
- Training of Personnel and Operators
- Engineering and Vendor Support presence during commissioning
- Organization of Operation and Maintenance Services
- Ensuing Handover Assistance

“ provides several categories of services ”

OUR COMPETENCE

OIL, GAS AND WATER PLANTS

- Wellheads Treatment Facilities and Gathering
- Early Production Facilities
- Oil & Gas and Water Separation
- Crude Oil Treatment Units
- Gas Dehydration and Gas Sweetening
- Heavy Ends Recovery / HC Dew Point Control
- Utilities and Off-Sites
- Gas and Water Re-Injection
- Sulphur Recovery Units
- Water Treatment
- Off-Shore facilities

REFINERY

- Open-Art and Licensed Units
- Utilities and Off-Sites



POWER PLANTS

Sicon Oil & Gas has diversified its expertise in Electrical Power Generation plants:

- Gas Turbine Power Generation Plants (Simple & Combined Cycle) including BOP units
- Diesel Generation packages, including all auxiliaries
- MV/LV substations
- Local MV transmission lines
- Waste To Energy Systems



EPC PLANTS

projects and areas
of strength





“EPC PIPELINES
projects and areas
of strength”



OIL, GAS AND WATER PIPELINES

- Liquid Hydrocarbon, Gas and Water Transportation Pipeline Systems
- Pumping and Compression Stations
- Pipeline Associated Facilities:
 - Scraper stations
 - Custody metering & Over-Pressure Protection
 - SCADA & Telecommunication
 - Cathodic Protection and A.C. Mitigation
- Pressure Reduction Stations
- Slurry Transportation Pipelines
- Gas Distribution Networks for Industrial, Commercial and Domestic users



OUR RESOURCES

With its head office in Milan, the heart of Europe's Oil & Gas Industry, SICON OIL & GAS is endowed with innate capabilities of a pool of engineers and specialists, delivering a cutting edge technology. The proximity to the major European Vendors and Suppliers allows for easy access and control. The Main Milan Office and branches have diverse pools of engineers that generates a high quality technical product that past experience vouches for. SICON OIL & GAS has the potential to establish fully-fledged branches wherever necessary. Fully operational close to major clients. Being a member of the CCC Group, SICON OIL & GAS also enjoys the support and presence of its Parent Company in more than 40 countries of 5 continents. While the basic strategy of SICON OIL & GAS is to deploy its own construction resources to execute works, SICON OIL & GAS nonetheless has the access to CCC Group resources, whenever needed. Current setup can handle an annual capacity up to:

- 600,000 Man Hours for Engineering,
- Construction and Installation (In-house or with Subcontracts) up to a project value of 150 Million Euros per annum including:
 - Construction Site Supervision and Project Management
 - 5 Million Man-hours of direct construction works
 - Heavy Construction Equipment

SICON OIL & GAS can avail the support and services of many main Italian and international Banks.

Banco Popolare – Milan

Intesa San Paolo S.p.a. – Milan

Unicredit Corporate Banking S.p.A. – Milan

Banca Popolare di Vicenza – Milan

Mashreq Bank - Abu Dhabi

Union National Bank – Abu Dhabi

Jamahiryia Bank - Tripoli (Libya)

Sahara Bank - Tripoli (Libya)

Monte dei Paschi di Siena – Milan

Banca Popolare di Sondrio – Milan

SICON OIL & GAS Core EPC Organization consists of:

CORE PROJECT MANAGEMENT

- Project Management Teams
- Planning and Schedule Monitoring
- Cost Control Services
- Contract Administration Services

MULTI-DISCIPLINARY ENGINEERING TEAMS

- HSE and Loss Prevention
- Field engineering and surveyors
- Process
- Pipeline
- Piping
- Mechanical / Machinery and Packages
- Instrumentation & Control / Telecommunication
- F&G Detection and Protection
- Electrical and Cathodic Protection
- Civil / Structural / Architectural & HVACI
- Quality Control

PROCUREMENT SET-UP

- Qualified Vendors Data Base
- Project Procurement Coordinators
- Buyers
- Internal Quality Control and Inspection Team
- Internal Vendor expediting Team
- Logistics between Vendor Locations to Work Sites

CONSTRUCTION SITE SET-UP

- Construction Management
- Topographic Survey and Geotechnical investigation Teams
- Camp logistic and temporary facilities
- Oil and Gas Qualified Labor
- Construction Equipment fleet
- Commissioning & Start Up Teams
- Leaders for Training
- Fabrication Facilities

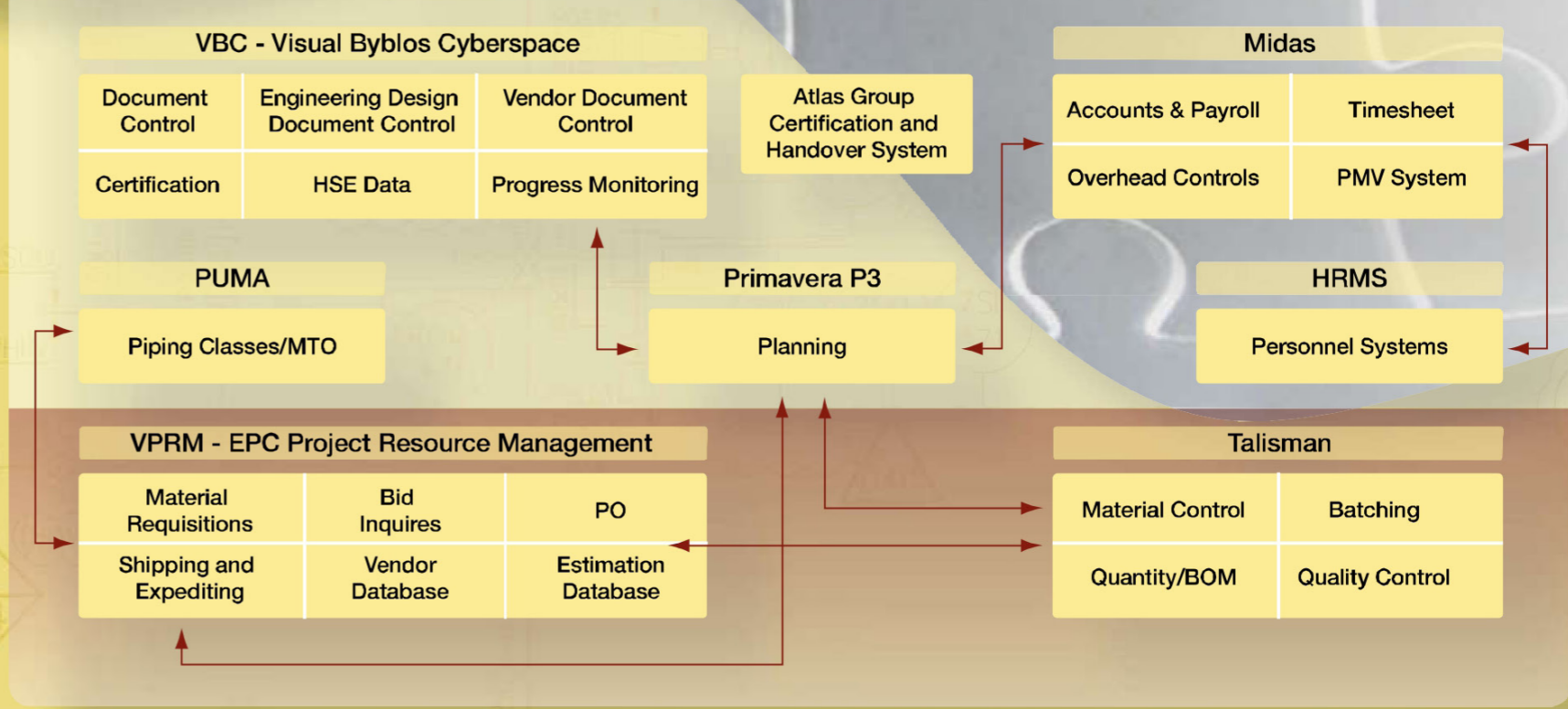


“ a pool of engineers
and specialists ”

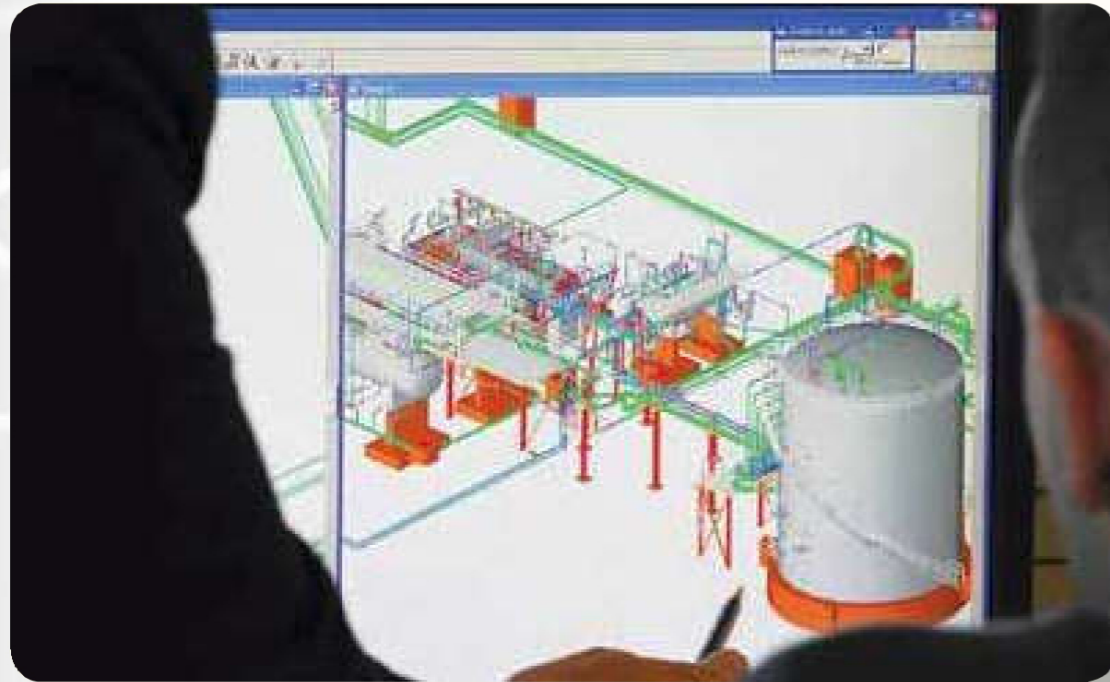


“ An integrated automation system covers all cycles of operations ”

IT - AUTOMATION OVERVIEW



OUR INNOVATION



SICON OIL & GAS relies heavily on internal IT solutions in optimizing duration and exemplary performance in all activities of the different sectors of operations coupled with meeting expectations of Clients related to time and cost effectiveness. SICON OIL & GAS has invested continuously in acquiring or developing highly sophisticated systems, capable of assisting discipline engineers and all departments to perform seamlessly.

Outsourcing from Web-based solutions have been introduced within the architecture of internal systems to facilitate remote access of data, information, specifications, standards or reporting worldwide, relying on a Wide Area Network (WAN) platform, connecting offices around the world with the central office in Milan.

Internal IT systems cover all cycles of operations related to project management & control, design & engineering, procurement, construction management, accounting, financial & risk analysis. State of the art specialized technical tools are available internally, especially for:

PROCESS SIMULATIONS AND HYDRAULIC MODELING

- ASPENONE SUITE (HYSYS)
- OLGA 2000
- Pipeline Studio

PIPELINE AND PIPING

- CAD and 3D Modeling
- Pipeline Alignment Sheets and Profile Design Programs
- Smart P&ID
- Stress analysis (Ceasar II)

INSTRUMENTATION

- INTOOLS
(Smart Plant Instrumentation)

ELECTRICAL DESIGN

- ETAP
- CYME

CIVIL & STRUCTURAL

- STAAD-PRO
- PROKON

PROJECT MANAGEMENT

- Visual Byblos Cyberspace (VBC): a custom built document management solution used for **Document Control** and **Progress Measurement**
- PUMA used for material coding
- Vantage Project Resources Management (VPRM) used for Material Requisitions and Procurement Cycle
- TALISMAN Program used for Procurement and Material Tracking up to site
- Primavera is the main **Planning & Progress Measurement** application
- Atlas Group Certification and Handover System

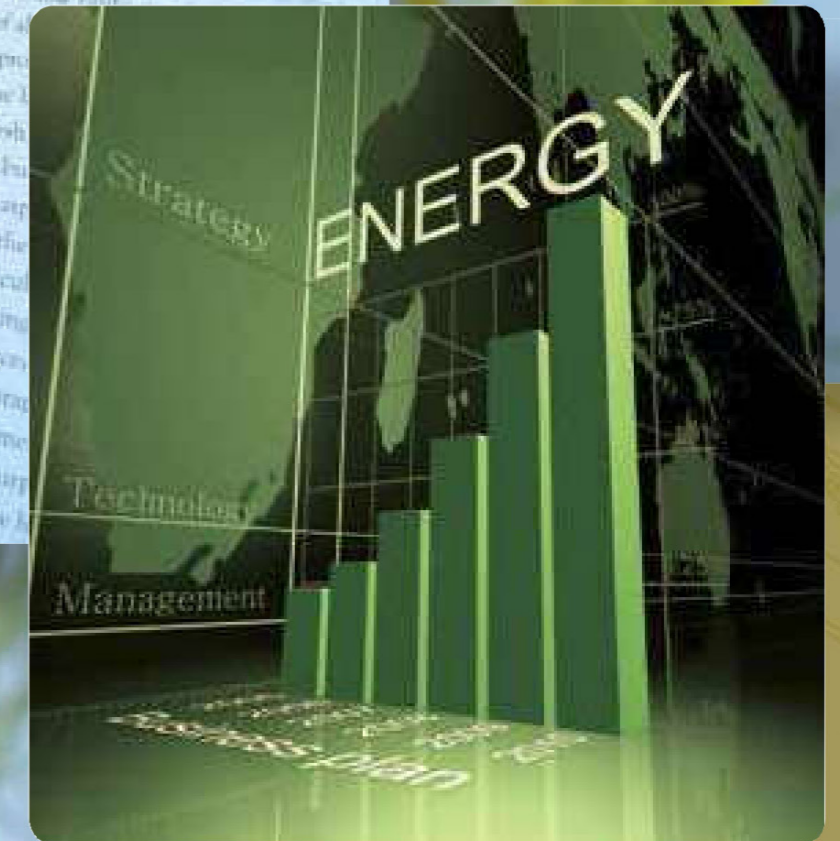
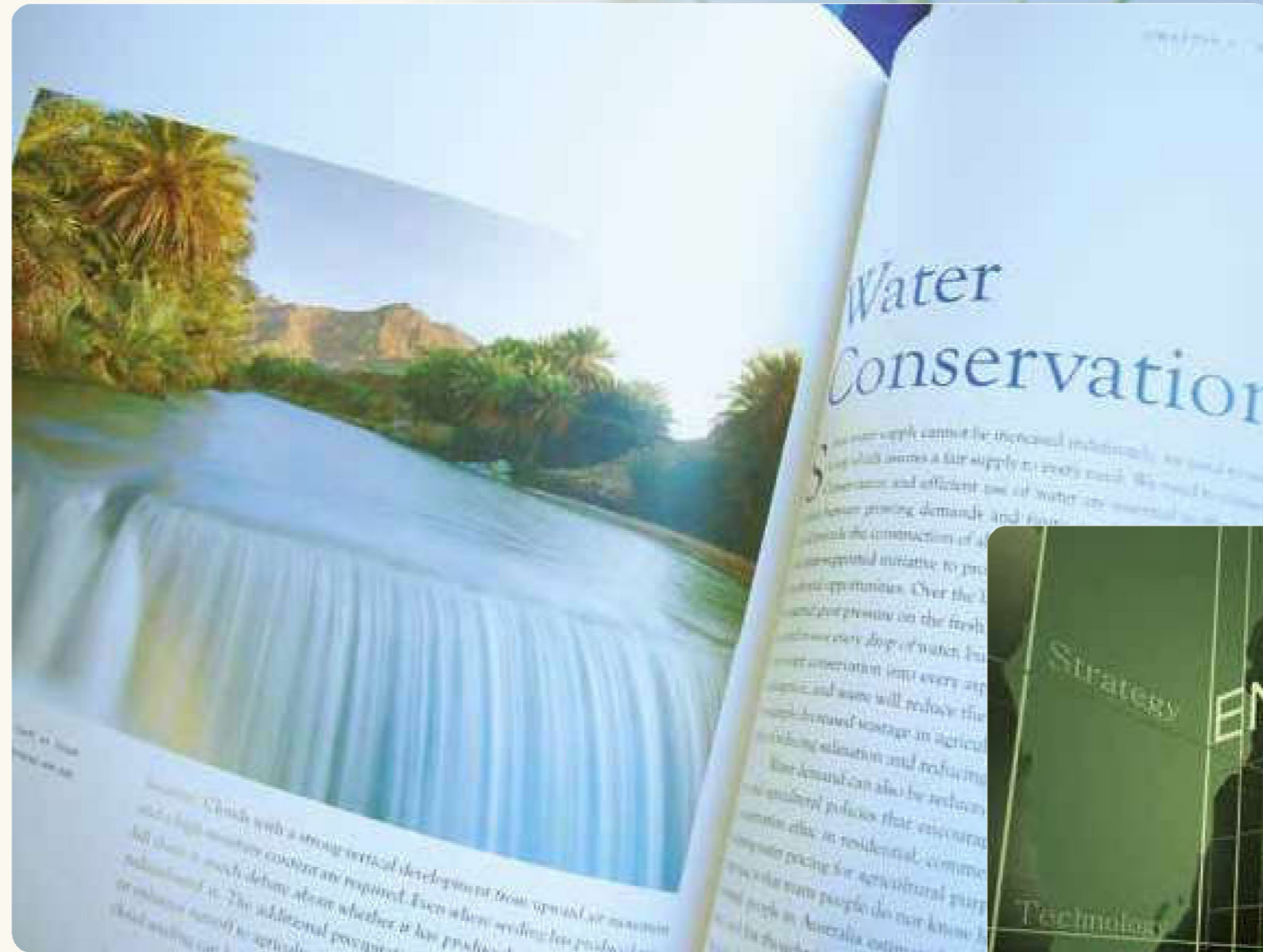
All project control programs are fully integrated. Access to other software in CCC Group IT system is always available.

OUR GREEN VISION

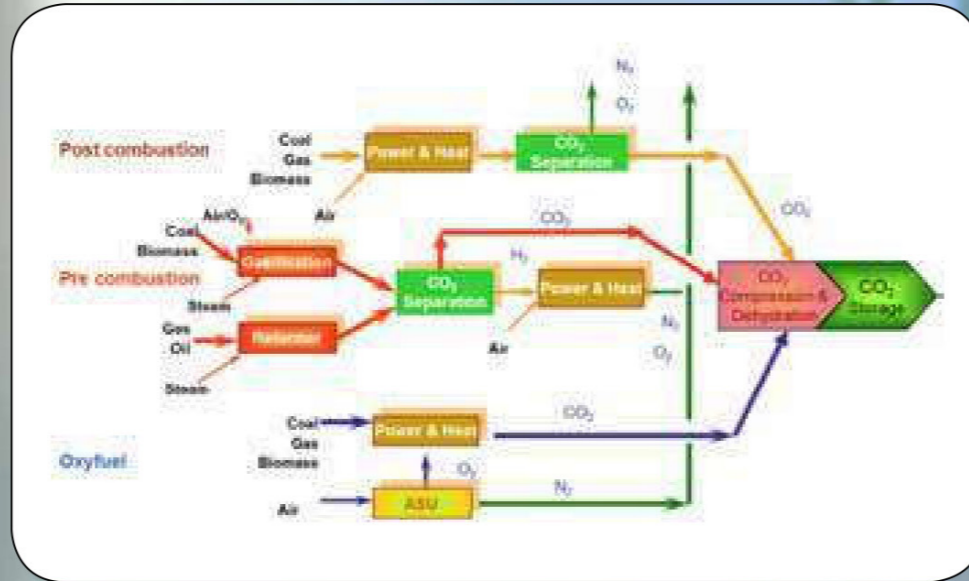
SICON OIL & GAS “green vision” strategy is directed towards maintaining international environmental protection standards.

These standards are followed in the Oil & Gas Sector, Down Stream Sector and Renewable Energy technologies:

- Clean Fuels sector
- Cogeneration plants
- CO₂ Capture
- Emission control
- Flare Gas Recovery Unit
- Solar Panel units
- Sour gas treatments
- SO₂ Reduction to Elemental Sulfur
- Sustainable Energy
- Waste management



born
naturally green



“ These standards are followed
in both the Oil & Gas Sector
and Renewable Energy ”

The Board of Directors of SICON OIL & GAS, has constantly enforced a perpetual audit of HSE and Quality systems, empowering the management in its commitment in sustaining high levels of control and standards.

The core perception of HSE promotion is derived from CCC Group certification by Bureau Veritas of ISO 14001 for environment and OHSAS 18001 for health & safety.

SICON OIL & GAS is certified by Bureau Veritas (BV) as per the latest ISO 9001 Quality Standards for Engineering, Procurement, Construction, Installation, Commissioning, Start up and Project management for Oil & Gas Water Plants and Pipeline projects.



“ SICON OIL & GAS conducts its business in accordance with its **Safety, Environmental, Quality and Ethical Policies** ”

certification

SICON OIL & GAS recognizes the importance of health and safety for its employees, as well as the general public, remaining vigilant in environmental protection and the prevention of property damage in its operating locations. It respects local cultures throughout its diverse operating locations and upholds high business values.

SICON OIL & GAS strives to fulfill its responsibilities to its employees and the public by continuously working to improve its ability to offer services and products which create healthy work spaces and respect the environment.

SICON OIL & GAS considers the promotion of health and safety for its employees to be a key contribution to promoting sustainable development and an integral component of success.



Sicon Oil & Gas Top Management is committed to the following objectives:

- understanding and meeting the Customer requirements, fulfilment of contract obligations and all technical and economic requirements (safety, quality, delivery time and costs) to meet Customer satisfaction
- compliance with the statutory and regulatory requirements (standards and Codes in force in the country of destination)
- achievement of the specified quality performances
- recognizing the importance of human resources and increasing their competence, involvement and motivation.

The Management is also committed in continually improving the effectiveness of the Quality Management System and the implementation of lesson learned records.



● PETROLEUM PRODUCTS STORAGE SOLUTIONS

Our company is a leading provider of petroleum storage solutions, specializing in the safe and efficient storage of various fuel products. With a strong commitment to quality and reliability, we offer an extensive range of storage facilities to meet the ever-increasing demands of the energy industry.

Storage Tanks:

At the core of our operations, we boast a state-of-the-art petroleum storage facility equipped with 70 storage tanks, each with a massive capacity of 100,000 metric tons. These tanks are meticulously designed and constructed to ensure the utmost safety and integrity of the stored products. With our vast storage capacity, we can accommodate a wide range of petroleum-based fuels, catering to the diverse needs of our clients.

Gasoline Storage:

In addition to our impressive array of storage tanks, we possess a dedicated storage area specifically designed for gasoline. This facility has a colossal capacity of 3,000,000 liters, ensuring a reliable and consistent supply of this vital fuel. Our gasoline storage adheres to the highest industry standards, incorporating stringent safety measures and advanced monitoring systems to safeguard against any potential risks.

Diesel Storage:

Recognizing the significance of diesel as a primary energy source, we have established two storage tanks with a capacity of 500,000 liters each, exclusively dedicated to diesel storage. These tanks are constructed with precision and efficiency, providing a secure and efficient storage solution for diesel fuel. Our commitment to maintaining optimum quality and reliability means that our diesel storage facilities meet and exceed industry regulations.

With our petroleum storage facility, comprising an extensive range of storage tanks and dedicated storage areas for gasoline and diesel, we are well-positioned to cater to the evolving needs of the energy industry. Our commitment to safety, reliability, and quality ensures that our clients can trust us to provide them with a secure and efficient storage solution for their petroleum products. Whether it's storing large quantities of fuel or accommodating specific fuel types, our company stands ready to meet the challenges of the energy sector with unparalleled expertise and professionalism.

● DRILLING SOLUTIONS

Drilling Operations:

At the core of our expertise, we possess advanced drilling capabilities that enable us to explore and extract crude oil from the challenging terrain of the Kurdish region mountains area. Our experienced team of engineers, geologists, and technicians work diligently to identify promising reserves and implement efficient drilling techniques to extract the valuable resource. We leverage cutting-edge technology and industry best practices to ensure the highest levels of operational efficiency and safety throughout the drilling process.

Conclusion:

As a company specializing in crude oil drilling operations in the Kurdish region mountains area, we possess the technical expertise, regional knowledge, and commitment to responsible practices that set us apart in the industry. Our advanced drilling capabilities, coupled with our understanding of the local terrain and compliance with regulations, enable us to navigate the unique challenges of this region successfully. We are proud to contribute to the energy sector while upholding our commitment to environmental stewardship and community engagement. With our focus on safety, efficiency, and sustainability, we continue to deliver reliable and high-quality crude oil extraction services, driving economic growth and development in the Kurdish region.

DRILLING EQUIPMENTS

One of the four rigs in our inventory

Skytop Brewster NE - 95E

- 500 tons Diesel-Electrical RIG -

TECHNICAL DATA

Draw works	1 700 HP
Maximum Hook Load	1 000 000 lb
Top Drive System	1 000 000 lb./37 000ft-lb.cont
Substructure Capacity	1 000 000 lb
(casing + setback)	+ 600 000 lb
Drilling Line/No of Lines	1 3/8"/12 lines
Substructure Height	25 ft
Mast Height	142 ft
Rotary Table	1 000 000 lb/27 1/2" Opening

POWER SUPPLY

Prime Movers	3x1 215 HP at 1 200 rpm
AC Generators	3x1287KVA, 600V, 60 Hz

MUD & SOLID CONTROL SYSTEMS

Mud Pumps	2x1 300 HP 1x1 300 HP (optional)
Mud System	2 200 bbl.
Solid Control Equipment	3xLinear Motion Shale Shakers 1x1 500 GPM Desander 1x1 560 GPM Desilter 1x60 GPM (6-10 micron) Centrifuge



BOP Equipment

21 1/4" 2k Annular
20 3/4" 3k Single Ram
13 3/8" 10k Annular
13 3/8" 10k Double Ram
13 3/8" 10k Single Ram
1x1 000 GPM Mud/Gas Separator
1x1 200 GPM Vacuum Degasser

RIG INSTRUMENTATION

7-pen Recorder, Weight Indicator
Stand Pipe Pressure Gauges, Rotary
Torque & Speed Indicators, Tong Torque
Indicator, Pump strokes indicator, Pit
Volume Totalizer, H2S Monitoring system
Trip Tank Level Indicator, Mud Flow Fill and
Stroke Indicators





HIGHER EDUCATION

Our contribution in the educational sector is our support for its institutions. We have constructed several private schools under a contract with UNICEF.

We also participated in the implementation of technical institutes. Our support includes sponsoring of scientific and cultural forums and conferences and we contribute in several developmental social and humanitarian growths, with the aim of revitalizing the spirit of education and culture so ingrained in the people of Kurdistan.



TRAVEL AND TOURISM

As a group, we were among the first companies to hold a strongly optimistic view for the future of tourism in Kurdistan region because of its stark beauty and temperate climate.

Accordingly, we have invested in various tourism-related projects such as travel companies, restaurants, passenger buses and car rental. At present, we are constructing a one five star hotel and another 4-star hotel, in addition to cooperation with an international company specialized in touristic air travel services, both public and private. We also have made the necessary arrangements and drawn international contracts with the most respectable and experienced hospitality school and touristic services.

We have made a qualitative leap by entering into a contract with an international group specialized in the running and management of hotels and touristic complex, and we are in the process of signing a contract to manage and run several hotels. Above all, we are gearing up to actively participate in the important event of nominating Erbil to be the capital of Arab Tourism for the year 2014



MEDIA AND ADVERTISEMENT

We are fully aware that media and promotion are the essential supports of the business sector; this is why we were participants at the point of inception of media and advertising revival in Kurdistan.

Towards that end, we have formed a professional and creative team in this field in the hope of becoming influential in this sector through the planning of the future of a world full of visual and audio technologies. We always emphasize that our vision of this sector is not limited to promoting business but promoting the cultural and touristic aspects of the Kurdistan region.



MELLAT COMPANY FOR AGRICULTURAL PRODUCTS & LIVE-STOCK

Our beginnings in this field were simple and limited in scope. With our own initiative, we are developing a plan for the completion of previous projects with the objective to develop and upgrade this sector.

We are planning to add larger lands to be reclaimed and developed, based on our previous experience in this field. We have extensive experience in the importation of fertilizers and insecticides in addition to tractors. We have established many greenhouses and farms, and constructed many dams for FAO and governmental grain silos. Also, we implemented many irrigation channels and executed contracts for landscaping of roads and sports fields.

Our aim and interest lie in the development of the agricultural sector, to achieve self-sufficiency in the region of Kurdistan. We also contribute to landscaping projects in the areas surrounding Erbil which enhance and protect the environment and keep the city of Erbil as a green and fresh city.

Presently we are undertaking the study of an investment project to develop animal products making use of international programs and technologies of livestock resources, in addition to the construction of a dairy factory for milk yogurt and fresh cheese of the highest international standards and specifications.



TRANSPORTATION AND LOGISTICS

Mellat for Transportation is a subsidiary of the Mellat Group. This company has been established with the goal of improving public transportation services by introducing the latest technologies in the transportation and logistics industry to the Iraqi market.

Mellat for Transportation has introduced ENOK as a solution that shortens the distance for passengers and taxis to one click on a mobile phone app. The new app performs like a bridge between the customer and the selected database of drivers chosen based on specific criteria. The second way of connecting passengers and taxis is through call centers, where operators delegate a vehicle to a customer based on their location, destination and any other specific need such as language preference.

School Transportation:
ENOK can serve Schools and Universities via modern technologies that enable the school administrators, parents and company control room to monitor the trips via GPS and live positioning systems - and to see real-time camera footages from inside the vehicle. An online attendance report of each vehicle is a further asset of the system.

The traditional taxi services and non-qualified drivers have caused dissatisfaction of public about the transportation system in Kurdistan. Lacking alternative means of public transportation such as subway or bus system has obliged costumers to use the sub-standard taxi services.

ELECTRICITY POWER GENERATION

We have executed many projects for generating and transforming stations as well as high tension cables in many areas of Kurdistan. We supplied and installed street lighting and several special projects for the Ministries of Industry, Electricity, and Finance in addition to UNICEF and other UN Agencies.

We are looking to cooperate with international groups specializing in the supply and equipping of an electrical generating station and alternative energy plants to answer the continuing needs of power generation for the Kurdistan region due mostly to expanding investment in the region.



MELLAT GROUP POLICY FOR QUALITY MANAGEMENT SYSTEM

Quality is important to our business because we value our clients. We strive to provide our clients with products and services which meet and even exceed their expectations. We are committed to continuous improvement and have established a Quality Management System which provides a framework for measuring and improving our performance. We aim to provide a quality product and services in line with specified client requirements and predetermined compliance criteria, while at the same time ensuring compliance with applicable legislation.

We recognize that in order to maintain these standards, it will be necessary to develop and maintain a high level of commitment throughout our operations that actively encourages leadership at all levels. We also recognize that in order to realize this commitment and to support our efforts it will be necessary to provide adequate facilities and resource, the level of which shall at all times be commensurate to quantified risk.

Integral to our management systems are predetermined aims and objectives, the detail and levels of which are closely linked to the achievement of constantly improving performance criteria. The ongoing monitoring and development of this criterion is subsequently used to best represent the development of our business operations through the application and use of recognized continual improvement principles.

The Quality Policy is displayed as a symbol of our commitment to excellence. Each new employee is provided with a copy of the quality policy as part of the induction program. All employees are issued with a copy of the quality policy whenever there is a change or amendment to it.





MELLAT GROUP POLICY FOR HEALTH, SAFETY AND ENVIROMENT

Operational management of Mellat Group. We understand the importance of strict Health and Safety, and Environmental policies to conduct business in a manner consistent with their economic needs, whilst respecting the requirements for environmental protection in compliance with all applicable laws and regulations. To this end, the company has implemented the Health, Safety and Environmental plan which is summarized in the following long term strategic objectives:

Monitor and enforce the company's HSE plan in accordance with required standards, reviewing an amending requirements for safety and environmental work to meet the evolving needs of the market, and those of our clients.

Provide adequate resources to develop and maintain effective, externally verified HSE systems with defined responsibility and accountability.

Monitor activities to ensure that the required standards are applied and adapted.

Maintain health and safety at work and minimize the environmental impact of our operations

Provide adequate training to ensure our workforce recognizes and manages risk associated with their activities.

To promote a culture of continuous process improvement, an objective that the company can be obtained with the continued commitment and involvement of all staff.

Inform management teams so that all functions and contractual requirements and applicable laws satisfy clients requirements.

In order to pursue these goals and keep them as a priority, Mellat Group is committed to its standard of excellence around Health and Safety, and environmental impact, monitoring and addressing anomalies which may negatively affect our standards.





OUR PROJECT

ENOK

ENOK is a trade mark owned by Mellat for Travel and Transportation a subsidiary of Mellat Holding. This operation has been established with the goal of improving public transportation services by establishing new means of transportation or enhancing the current services.

Services:

Mellat for travel and transportation has introduced ENOK as a solution that shortens the distance of the passengers and taxis to one click on a mobile phone app. The new app performs like a bridge between the customer and selected database of drivers chosen based on specific criteria. The second way of connecting passengers and taxis is through call center where operators delegate a vehicle to a customer based on their location, destination and any other specific need such as language preference.

JOINT VENTURE WITH SOKEC

Mellat Group have signed a strategic Joint Venture Agreement with SOKEC a leading Chinese EPC contractor, to fulfill the Iraqi market needs when it comes to huge EPC projects with the government and international contractors.

Shengli Oilfield KEER Engineering and Construction Co., Ltd (SOKEC) was found in 2006, it's a comprehensive international engineering enterprise integrated with oilfield surface works, marine petroleum works, refinery works EPC general contract, new energy power plant works, pipe coating works, manufacture of petroleum equipment, international trade business and project investment, which included such branch companies as one engineering construction branch company, one pipe coating plant, one petroleum equipment manufacturing branch company, one international trade business branch company, one oversea subsidiary company and one holding company in petroleum technology service.

Currently, SOKEC has 986 employees, in which, including 295 technical staffs, and 5 professor level senior engineer, 16 person have senior qualification certificate, 61 person have medium-grade professional qualification certificate and 213 assistant engineers and professional engineers.
<http://en.shenglikeer.cn>



OUR PROJECT

Mellat cement factory

A Greenfield integrated cement plant (clinker production with cement grinding) with 6,000 tpd clinker production capacity is to be in Northern Iraq named by Mellat cement plant is located north of Erbil near Harir, nearby Sinawa and Kani Kolk villages. The Mellat cement plant project is located around 90 km's North of Erbil city with around 1 km to limestone quarry.

The limestone deposit is located about 1 km north. of cement plant project. Limestone deposit has been the main captive source of raw materials. The limestone from quarry is going to be carried by trucks to the cement plant.

The raw mix on dry basis compositions for OPC (Ordinary Portland Clinker) proposed is as follows;

- Limestone 52.33 %
- Siliceous Limestone 24.73 %
- Claystone 21.44 %
- Bauxite 1.50 %



SN	PROJECT NAME	CUSTOMER
1	Construction of Irrigation Canal in sherwan mazen	FAO
2		
3	Const, of health center in chirra / Shekhan	Habitat
4		
5	Const, of 4 KM interior roads in Akre	Habitat
6		
7	Const, of 6 classes primary school in Amad zhory village and Khardis village / Akre	Habitat
8		
9	Const, of Irrigation Canal in Kherazok	FAO
10		
11	Renovation of Kindergarten in (Sarsang) sub district / Duhok	DAI
12		
13	Supplying our own Fuel station	Erbil / Duhok
14		
15	Cost, of 2.5 KM interior roads in teachers province In Salahadin	Municipality of Salahadin
16		

IMPLEMENTED PROJECTS

SN	PROJECT NAME	CUSTOMER
17	Supply of 92 electricity transformer Capacity of 400 KV and /or 250 KV Duhok	Ministry of Industry and Electricity
18		
19	Const, of electricity network for villages of Makhmoor District	Ministry of Industry and Electricity
20		
21	Const, of electricity network for 40 Shahid province I Erbil	Ministry of Industry and Electricity
22		
23	Supplying jet fuel for airplanes	Hawler International Airport
24		
25	14 electrical substations in Erbil and Dohuk Stage-3	Ministry of of Industry and Electricity
26		
27	Transporting & Distrbuting Rice to Arbil suburbs	State Company of Food Stuff-Erbil
28		
29	Supplying of 2 million ltr. Gasoil for the electrical substation of Hawler and Duhok and Suleimaniyah	Ministry of Natural Resources and Oil
30		
31	High speed Road 7 KM Erbil-Duhok Institute to Peer Bob Bridge (under construction)	Duhok Roaad General Directorate

Sicon Oil & Gas S.p.A.

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Branch Offices and Oper. Offices: ABU DHABI - UAE and TRIPOLI - LIBYA

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
ADNOC U.A.E.	EPC for Upgrade of Power, Control and Monitoring Systems in SE Fields	<p>EPC On-shore Contract</p> <p>PACKAGE A - supply, installation and pre-commissioning & commissioning of (replacement of existing) 4 WIC power Skids at Sahil;</p> <p>PACKAGE B - Engineering, supply, & installation pre-commissioning & commissioning of power factor improvement capacitors at Sahil and ASAB and Buffer transformers at ASAB;</p> <p>PACKAGE C - The project objective is to carry out Engineering, procurement and Construction work for the replacement of all existing Fire Alarm Panels that are either non -addressable type or obsolete. The same for all devices associated with existing Fire Alarm Control Panels;</p> <p>PACKAGE D - Engineering, procurement and Construction work for the upgrading the Vibration Monitoring System for Asab GIPP Compressors at RDS-6, including the interface with the existing GE-Fanuc PLC, ICSS at RDS-6 and SYSTEM-1 located at Asab CDS;</p> <p>PACKAGE E - Construction of fixed Sheds at Sahil ADNOC intends to construct No. 4 rest shelters at Shail oil fields CDS and RDS.</p>	22.2 MM	AWARD 2019	COMPLETION 2021
EJADAH ASSET MANAGEMENT GROUP LLC U.A.E.	BIM Consultancy Project	Scope of Work: Consultancy services of Building Information Model (BIM) Specialist/ CONSULTANT to undertake SERVICES for to the development, integration and implementation of BIM methodology and processes for the New ADNOC Head Quarter Facility.	6.5 MM	AWARD 2019	COMPLETION 2021
ADMA-OPCO U.A.E. Through CCEP	NASR Full Field Development Project - Package 3 Installation of Power Generation facility 4-GTG	<p>EPC contract on Das Island.</p> <p>Sicon scope: Procurement service and Engineering for procurement, including Purchasing, Expediting, QC/Inspection, Shipping.</p> <p>ADMA OPCO (Abu Dhabi Marine Operating Company) intends to install 4 x 32MW Power Generation units along with associated equipment and auxiliaries in DAS Island, to meet the Power demand of NASR FFD project and growth of the power demand from planned DIRD Project and USSC Loads.</p> <p>The scope includes:</p> <ul style="list-style-type: none"> • 4 Gas Turbine Generators 32 MW each • 132 kV, 33 kV, 11 kV and 6.6 kV Switchgears • 11 kV/132 kV and MV/LV Transformers • ECMS and PMS systems • Fuel Gas Treatment System • Instrument Air, Utility Air and other utilities • Black Start Emergency Diesel Generator • Modifications to the existing control systems In ADMA Power station, ADMA CCB, ADGAS CCB • Interface with PDAS substation • Modification to existing electrical and power stations • Telecommunication • F&G Detection and Fire Protection • Control Building • HVAC 	306 MM (total EPC) 23 MM (Sicon Scope)	AWARD 2016	COMPLETION 2019

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
Qatar Petroleum (QP) Through CCC Qatar	EPIC for Hamad International Airport Jet A-1 Supply Project	EPC Contract: Sicon scope: E&P Contract – Detailed survey and supervision of Topographic and Geotechnical investigation, Detailed Engineering for Pipelines, Procurement Services for all project materials, Supply of part of permanent material, Site Assistance and Commissioning. WORKS consist of providing adequate storage capacity of Jet A-1 fuel at SPPS Tank Farm Area in Ras Laffan RLIC and install a dedicated pipeline to supply of Jet A-1 fuel from the producers at RLIC (Laffan Refineries 1 and 2 and Pearl GTL) to HIA to meet Qatar Airways Business Plan projected demand growth. This CONTRACT includes: <ul style="list-style-type: none"> new Jet A-1 fuel 28 inch 10.5 km import pipeline from PGTL and LRTF to SPPS new dedicated Jet A-1 fuel 24 inch 132 km export pipeline from SPPS to HIA with a pumping capacity of 155,000 barrels per day (1400 m3/hr for 18 hours per day) to ensure reliable supply of Jet A-1 fuel to HIA. Four (4) new Jet A-1 Storage Tanks in RLIC to store jet fuel produced by Laffan Refinery (LR-1 and LR-2) and Pearl GTL Plant shall be provided. The Jet A-1 fuel will be transferred by new pumping system and custody metering from these plants to the new Jet A-1 tanks through the new dedicated Jet A-1 28 inch pipeline. A common Jet A-1 manifold station (JA1MS) with MOV's connecting the incoming supply lines from LRTF and Pearl GTL. Two (2) firewater tanks, fire pumping system and foam system. <ul style="list-style-type: none"> All associated facilities 	361 MM (total EPC) 40 MM (E&P Sicon part)	AWARD 2016	COMPLETION 2019
Zakum Development Company (ZADCO) U.A.E.	EPC for Water Injection Plant Upgrade at Upper Zakum Central Complex	EPC off-shore contract. Modification of four out of ten existing fine filters to high capacity dual media filters for sea water to increase the injection rate to 1,300,000 BWPD in order to maintain the crude reservoir pressure; <ul style="list-style-type: none"> replacement of internals and filtering media upgrade of drainage system and modifications of vessels and related piping, DCS control system upgrade replacement of four Vacuum Pumps and Ejectors. replacement of flow control and backwash valves 	20 MM	AWARD 2014	COMPLETION 2016
ADCO U.A.E.	Jebel Dhanna Upgrading works	EPC contract. EPC works consisting of 3 work packages: <ol style="list-style-type: none"> Replacing the 20" uni-directional prover with a new skid-mounted 30" bi-directional sphere type meter prover at Jebel Dhanna. Install a leak detection system for 36" MOL pipeline transporting stabilized crude oil from ASAB to BAB, 100km with two BVS stations. Replacement of the existing earth shunts located on the top of the crude oil tanks at JD tank Farm #2 with new shunts and installation of RGA (Retractable Grounding Assembly) type earthing installation and upgrading the earth network at the tank farm area accordingly. 	5.6 MM	AWARD 2013	COMPLETION 2016

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
Zakum Development Company (ZADCO) U.A.E.	Satah Facilities Replacement of Main Diesel Generators at Arzanah Power House	EPC contract on Arzanah Island. EPC and operation and maintenance support for the initial 6 months (extendable by another 6 months) of new Diesel generators, including all its associated auxiliaries and accessories, DG set building, modifications in existing control room and fire & fighting systems. The project covers: <ul style="list-style-type: none"> Addition of 3 new Diesel Generator sets, at 3.5 MW each, plus balance of plant, to replace the existing Diesel Generators and Gas-Turbines and to meet the new requirements. Installation of Power Management System for the entire Power Plant. Exhaust gas Treatment System Removal of the existing "failed" Diesel Generators 	23 MM	AWARD 2013	COMPLETION 2016
Dubai Supply Authority (DUSUP) U.A.E.	Construction of Hassayan 48" Gas Pipeline	EPC contract. Residual Engineering, Procurement, Construction, pre-commissioning and Commissioning of one "38.7 km", 48" gas pipeline from the Gas Control Station (GCS) in Jebel Ali to DEWA Hassyan Power Station plot (HAPS) including all related Scrapper Traps (Launcher and Receiver) and all associated piping such as BVS. The scope includes 2 L/R stations, Block Valve Stations and tie-in to the existing facilities. Pipeline Quantity / Material: Natural GAS Pipeline, buried, 48", API 5L X65 SAW, Sour Service, 23.8 mm thick, 38.7 km, 66.2 Barg design pressure, SFBE / DFBE coated	25 MM	AWARD 2013	COMPLETION 2015
CCED Oman	CCED Block 3~4 Expansion Project 16" PIPELINE & GAS FACILITIES	Engineering Services. Basic Design and "Engineering for Procurement" Replacement of a 15 km existing 8" stabilized oil line (from Alam to Qarn Alam PDO QAMPS) with a new 16" line (50,000 BOPD) as extension of the 70 km existing 16" Saiwan~Alam pipeline); new CCED QAS Receiving Station in Qarn Alam with new process facilities to allow receiving and metering plus some utility units (Instrument Air, Electrical Power from PDO, Drainage System). The scope also includes : <ul style="list-style-type: none"> Topographical Survey along the 16" pipeline route. Existing 16" linepipe material QC Inspection Survey. Geotechnical Survey in QAS. Tie-In Site Survey (to PDO plant). Detail Design of Pipeline including a major Road Crossing with TBM & Open Cut sections. Basic Design & MR~TBA for all other disciplines. 	500,000	AWARD 2013	COMPLETION 2014
KOC Kuwait	New Transit Pipelines from BS-171 to AGRP at Mina al Ahmadi	Engineering and Procurement Services. Engineering coordination and Engineering for Procurement to finalize Material Requisitions of the permanent materials. Procurement services and supply of most of the permanent materials: <ul style="list-style-type: none"> Flow-meters 	10 MM	AWARD 2011	COMPLETION 2013

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
		<ul style="list-style-type: none"> Actuated valves Leak detection system Pipeline fittings Piping materials Corrosion Monitoring Field Instruments 			
KGOC / Chevron (Joint Operations) Kuwait	Eocene Tanks and Chemical Storage Tanks at MGC	<p>Engineering and Procurement Services.</p> <p>Process Engineering services for the overall project and in particular for the design of the Tank Internals and for the definition of performance guarantees with CFD study.</p> <p>Engineering coordination and procurement of part of materials.</p>	100,000	AWARD 2011	COMPLETION 2013
Arabian Power Company U.A.E.	12" Pipeline from Takreer Petrochemical Refinery Plant to APC/ITM Umm Al Nar Power Desalination	<p>EPC contract.</p> <p>Design, supply of materials and consumables, installation and tie-in works, mechanical works, civil works, pressure testing, commissioning, certification and guarantee of the proposed pipe network linking TAKREER storage and Pumping Facility to APC/ITM.</p> <p>Umm al Nar offloading facility including:</p> <ul style="list-style-type: none"> 12" Dia pipeline approximately 3400 meters connecting the two facilities including pipe supports, road crossings, and NDRC's TWO new Gas Oil filtering and Custody metering skids at UAN and at Takreer Interconnecting with existing pumps in TAKREER pump station Supply of pipes, bends, valves, and other fittings Fiber Optic system Necessary Tie-in and Modification Works 	8 MM	AWARD 2011	COMPLETION 2013
QCG (through MCJV) Australia	QCLNG Export Pipeline and Narrows	<p>Engineering and Procurement Services.</p> <p>42" – 540 km Gas Pipeline with special crossings.</p> <p>Specialized Pipeline Consultancy and management between engineering and construction.</p> <p>Special crossing definition (HDD or Tunnelling, trenchless Narrows crossings) and Buoyancy control.</p> <p>Topographic and geotechnical supervision.</p> <p>Procurement, Expediting, QC and Inspection services.</p>	3 MM	AWARD 2011	COMPLETION 2013
CWJV Botswana	North South Carrier 2 water pipeline	<p>Engineering Services and coordination.</p> <p>Water pipeline and pumping stations .</p>	500,000	AWARD 2011	COMPLETION 2012
ADCO U.A.E.	EPC for Bu Hasa Shuaiba Unit "H" Water Injection Enhancement Project	<p>Turn-key EPC project.</p> <p>Enhancement of existing Water Injection System / Network at Bu Hasa Field at Shuaiba Unit "H".</p> <p>5 no of new water injection clusters and facilities:</p> <ul style="list-style-type: none"> Water Injection pipelines 70 km (6"-8"-10") Electrical Submersible Pumps (ESPs) Surface Water Pumps (SWP) 	35 MM	AWARD 2010	COMPLETION 2012

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
		<ul style="list-style-type: none"> Chemical Injection Skids Manual Hoists Power skids Buffer Transformer 25 MVA O/H power line and Auxiliaries Overhead line/s 34.5 kV – 70 km and power skid Switchgear modification Electrical connection of power skids and ESP FOC system All required piping works connections from supply ESP well head to the SWP suction, and from SWP discharge to pipeline tie-ins Connection at injector wells 			
North Gas Company (NGC) Iraq	Study the project of Installing units for producing Benzine for cars by using the treated Natural Gasoline in NGC	<p>Engineering Services.</p> <p>Feasibility study to define the best solution for producing motor gasoline starting from the condensate stream of an existing Natural Gas processing complex.</p> <p>The Octane Number of the feedstock must be increased to 90-95 in order to be suitable as a motor gasoline.</p> <p>Several licensed technologies are analyzed to define the best process, e.g.:</p> <ul style="list-style-type: none"> Catalytic Reforming Isomerization Polymerization Hydrodesulphurization <p>The scope includes technical and commercial evaluation of different licenses and a budget value of the EPC project.</p>	1.1 MM	AWARD 2009	COMPLETION 2011
CCED Oman	Production Facilities Oman	<p>FEED and Engineering and Procurement Services.</p> <p>EPF and Main Production Facilities and Pipelines and future development of a crude production field with a first design production of 35,000 BOPD and future expansion of 60,000 BOPD.</p> <p>Facilities to be installed in 2 separate stations:</p> <ul style="list-style-type: none"> Crude gathering Crude 3-phase separation Crude degassing Dehydration Crude electrostatic desalting to a salinity of 25 ppm Crude stabilization Gas sweetening and treatment Produced water treatment <p>All associated facilities:</p> <ul style="list-style-type: none"> Electric power generation with dual fuel generators Fuel gas and Diesel fuel Closed drain Instrument and utility air Nitrogen Flare Fire water Utility water <p>The Transportation system includes:</p>	4.26 MM (for FEED) + EPS	AWARD 2009	COMPLETION 2011

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
		<ul style="list-style-type: none"> Pumping station Crude pipelines 50 km 10" 300# pipeline and 85 km 16" 600# Custody metering to PDO selling 			
SNC LAVALIN (Ultimate Client) Madagascar	AMBATOVOY Nickel Slurry Pipeline Project	<p>Engineering Services.</p> <p>24" - 220 Km Nickel Slurry pipeline from Moramango to Tamatave.</p> <p>Basic and Detailed Pipeline Engineering and Technical assistance to Construction:</p> <ul style="list-style-type: none"> Studies Surveys activities Optimization of the route Calculation reports Alignment sheets & cross sectional drawings Crossing drawings and details Standard / Typical drawings Water management design documents Special sections details Method statements Bill of quantities of works and materials 	2.3 MM	AWARD 2008	COMPLETION 2009

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
ENI OIL (Mellitah Oil & Gas) Libya	A/100 Low Pressure Facilities and Arrival Manifold Modifications Project	<p>Turn-key EPC project subdivided into 3 packages:</p> <p><u>Package A - Low Pressure Facilities</u></p> <p>Modifications and upgrading of Separation Unit, Gas Compression Unit, Flare System and Fuel Gas System to accommodate for the receiving of crude oil from the increased number of low pressure wells, in order to continue the production and enhance the oil and gas recovery:</p> <ul style="list-style-type: none"> Additional 3 Crude 3-phase separation Crude degassing Centrifugal gas turbo-compressor units Electrical Screw type gas compressors MP Gas Cooler MP Gas Separators & Gas Scrubbers Fuel Gas KO Drum Fuel Gas Heater Upgrading of 12 flare systems DCS and ESD systems Expansion of electrical substation UPS & DC VFD Drivers Expansion of compression shelter Expansion of Plant Electrical System <p><u>Package B: New Cooling Water System</u></p> <p>Complete cooling water system for Low Pressure Gas Compression plant (LPGCP):</p> <ul style="list-style-type: none"> Water cooling Tower Reverse osmosis water demineralization unit Storage Tanks Chemical Injection Water injection filters Pumps Electrical Substation VFD drivers Instrumentation Interfacing with raw water supply, utilities and LPGCP heat exchangers New Water treatment building <p><u>Package C: Arrival Manifold Modifications</u></p> <p>Modification of the existing A100 inlet arrival manifold in order to handle high pressure and low pressure production to handle the increased low pressure fluids at new working conditions and the decreased high pressure fluids. Installation of two sub manifolds.</p> <p><u>Utilities</u></p> <p>Nitrogen Generator for Purging</p>	Complete EPC 130 MM + 7 MM VO	AWARD 2008	COMPLETION Re-scheduled due to interruption
DOLPHIN ENERGY U.A.E.	Eastern Gas Distribution Systems (EGDS) Upgrade Works Project	<p>EPC of two Systems.</p> <p><u>East System:</u> Scope includes: Al Ain and Oman border</p> <ul style="list-style-type: none"> Provision of future new Compressor station Metering Filtration 	162 MM	AWARD 2006	COMPLETION extended to 2010 with variations

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year
		<ul style="list-style-type: none"> Work shop building Modification to existing Al Ain Gas terminal Connection to existing lines by hot tapping Expansion of Control Building SCADA & Telecom works. <p><u>West System</u> Scope includes: Al Maqta station</p> <ul style="list-style-type: none"> Pressure Reduction Skid (PRS) with Custody metering (ultrasonic type) Piping: Modification for Headers, piping, valves, tie –ins, including some Hot Tapping works...etc. in the range of 18” to 48” Buildings: New Administration building Control room, mosque, workshop & related electrical, F&G, furnishing, landscaping...etc. Miscellaneous civil, piping, electrical, utilities...etc works at station Modification at the tie in point of the New connection being including new 48” traps and related piping Modification of existing sectionalizing valves to have remote operation capability <p>Jebel Ali Receipt station</p> <ul style="list-style-type: none"> (new metering system, filters, P.R. skid & 2x36” connection lines) <p>Taweelah Power Station</p> <ul style="list-style-type: none"> two filters, one PRS and one flow metering system New 18” pipeline connection to new IWPP at Taweelah Receipt station. <p>In addition for all stations:</p> <ul style="list-style-type: none"> SCADA & related interface works at Al Ain, Maqta, Taweelah, Jebel Ali...etc stations. Telecom works: separation from GASCO system and upgrade of existing system. <p>UAN Pipeline</p> <ul style="list-style-type: none"> New 36” pipeline and related facilities from Maqta Gas Terminal to UAN East terminal. New 36” Connection from UAN east terminal to new consumer. Misc. Modification/jumper works on adjacent pipelines. <p>Activities consist of:</p> <ul style="list-style-type: none"> FEED Verification HAZOP/HAZID/HSE Case/ Risk Assessment Detail Engineering Procurement Project Management Commissioning & Start up Construction 		

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year
Khafji Joint Operations (KJO) Saudi Arabia	Expansion of Khafji Crude Onshore Production Facilities	<p>EPC for the Expansion of Khafji Crude Onshore Production Facilities includes following:</p> <p>Provision of Pre-Settling facilities for incoming production from offshore to reduce the water content (throughput 450,000 BPD) and consisting of :</p> <ul style="list-style-type: none"> additional heat exchangers pre-settling tanks crude degassing transfer pumps hot oil fired heaters chemical injection Provision of new Oil Reclaiming System Provision of new Crude Oil Loading Pumps Provision of Metering System for Crude Oil Loading Provision of a new additional Drainage Facilities and Reclaiming in the above associated areas Provision of a new Switchgear house (Two stores RCC blast proof building) for the electrical facilities associated with the above, including g VFD, AC & DC UPS. Extension of Distributed Process Control System (DCPS) Provision of additional fire protection and fighting system to cover above facilities Temporary facilities, associated services and demolition <p>Activities consist of:</p> <ul style="list-style-type: none"> FEED Verification HAZOP Study for all above facilities Detail Engineering Procurement Project Management Site activities Commissioning 6 month Operation period 	130 MM	AWARD 2005 COMPLETION extended to 2009 with variations
Qatar Petroleum (QP) Qatar	Ras Laffan to Masaieed Sweet Gas Pipeline Project	<p>Engineering, Procurement, Commissioning & Start-up, assistance to site and Training for:</p> <p>PHASE 1</p> <ul style="list-style-type: none"> 36” Gas Pipeline 117 km - 36” + Spur line 4 km Pig launching and receiving facilities N. 4 SBV stations facilities (extension of existing) N. 4 spur connection stations N. 2 flares Custody metering Pressure control system Air compressor system SCADA and Telecom F&G detection HIPPS system On line analyzers Control building extension Electrical Systems (MV, LV) Cathodic Protection impressed current type Buoyancy control and erosion control Tie-ins with existing facilities <p>PHASE 2</p> <ul style="list-style-type: none"> 24” Gas Pipeline 12.1 km and station A2 	86 MM	AWARD 2004 COMPLETION 2006

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
				AWARD	COMPLETION
<p>Agip Oil Libyan Branch (Mellitah Oil & Gas)</p> <p>Libya</p>	<p>Bouri Field DP3/DP4 Production Facilities Debottlenecking</p>	<p>Turn-key EPC Off-shore project Detailed engineering, procurement, material supply and delivery, pre-fabrication, dismantling, installation certification testing, pre-commissioning and start-up at Bouri Field DP-3 and DP-4 platforms for:</p> <ul style="list-style-type: none"> Enlargement the inlet and outlet nozzles and relevant lines for two Flare K.O. Drums in DP-3 and in DP-4. Installation of acoustic insulation of outlet line for Production Separator in DP-3 and outlet lines for 1st Stage Separators in DP-4. Enlargement the inlet nozzles and relevant lines for 2nd Stage Crude Degassing Separators in DP-4. Enlargement the discharge water lines for 2nd Stage Separators in DP-4. Pipe spools to be fabricated at onshore to minimize offshore works and shut down periods. <p>Activities include:</p> <ul style="list-style-type: none"> Site surveys Review of de-bottlenecking and vibration studies with relevant calculations and endorsement Definition of all modifications and tie-ins (including supports for new piping) Detailed engineering including stress analysis and structural analysis Risk assessment and Hazop / Hazid studies Mobilization and demobilization of all personnel Complete offshore works <p>Activities consist of:</p> <ul style="list-style-type: none"> FEED Verification Vibration analysis HAZOP Study for all above facilities Detail Engineering Procurement Project Management Construction and Installation Commissioning 	6.24 MM	2004	2006
<p>SASOL (ROMPCO)</p> <p>Mozambique South Africa</p>	<p>Mozambique Secunda Pipeline</p>	<p>EPC including Commissioning.</p> <p>Scope of this project includes the following:</p> <ul style="list-style-type: none"> 26" - 860 km High pressure pipeline commencing within the defined battery limits at the Central Processing Facility (CPF) in Mozambique, including supply of all required utilities All mainline valve, scraper stations and offtakes on the pipeline All cathodic protection stations along the pipeline and associated facilities, including the provision of electrical power to these stations The PPS at Secunda, including supply of all required utilities The in-plant pipeline from the PPS to the defined battery limits at Unit 42 in Secunda Plant (South Africa) Control and instrumentation for the pipeline, off-takes and terminal facilities at the start and end of the pipeline Pipeline SCADA and communications 	25 MM	2002	2004

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
				AWARD	COMPLETION
		<p>Engineering Disciplines:</p> <ul style="list-style-type: none"> Pipeline Process Instrumentation Electrical Piping Mechanical Civil Telecom. Fire Fighting Steel Structure 			
<p>SONATRACH-AGIP</p> <p>Algeria</p>	<p>Bir-Rebaa Gas Dehydration Unit Extension</p>	<p>Engineering Services.</p> <p>Preparation of Tender documents for an EPC Contract.</p> <p>Extension of the gas dehydration unit with a capacity of 3,000,000 Smc/d at 36 bars at the maximum temperature of 47°C.</p> <p>The new unit includes the following:</p> <ul style="list-style-type: none"> Absorb Column Lean Glycol Cooler Rich Glycol Heating Gas Scrubber Active Carbon Filter Filling Column Condenser Filling Column Stripping Coil Stripping Column Glycol Re-boiler Rich/Lean Glycol Exchange Lean Glycol Pump Lean Glycol Tank <p>Technical documents include:</p> <ul style="list-style-type: none"> Management Engineering Material Supply Site activities Commissioning Start-up of the new unit. 	75,000	2001	2001
<p>SALYAN OIL LTD</p> <p>Baku Azerbaijan</p>	<p>Kursangi & Karabagli Oil field Pipelines and GOSP facilities</p>	<p>Engineering and Procurement services including Commissioning assistance.</p> <p>CRUDE PIPELINES AND SEPARATION FACILITIES</p> <p>Process studies:</p> <ul style="list-style-type: none"> Production improvement up to 80000 BPD Verification of existing separation trains Process optimization Hydraulic study <p>Basic and detailed design of new pipelines</p> <ul style="list-style-type: none"> Pig Launching and receiving facilities 10" / 12" Crude pipeline ANSI B31.4 – 42 km Cathodic protection <p>Basic and detailed design of GOSP station facilities in two locations and of storage areas:</p> <ul style="list-style-type: none"> Manifolds Three-phase separation 	650,000	2001	2002

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
		<ul style="list-style-type: none"> Crude Degassing Heating-Treating / Dehydration Oil storage and Shipping pumps Metering systems Produced water treatment for injection Fuel gas system Flaring and blow-down system Station utilities Provision for SCADA/Telecom Systems MV Electrical Firefighting and F&G detection 			
TECNOMARE Milan for KOC/KIO Kazakhstan	Karachaganak Unit 3 Gas / Condensate Separation Trains	<p>E.S. Engineering services.</p> <p><u>PROCESS MODEL</u></p> <ul style="list-style-type: none"> Preparation of Process Simulation Model of existing 4 trains 12,000 ton/day capacity each Optimization of condensate production Definition of options for improvement with recovery of heavier components from gas separated by LTS system. Model validation with optimization of sampling systems for analysis 	25,000	AWARD 2000	COMPLETION 2000
TECNOMARE Milan for KOC/KIO Kazakhstan	Karachaganak Unit 3 Gas / Condensate Separation Trains KPC – Unit 2 and Orenburg terminal	<p>E.S. Engineering and Estimations Services.</p> <p><u>FEASIBILITY STUDY AND DESIGN</u></p> <p>Technical and Commercial study for:</p> <ul style="list-style-type: none"> Production improvement up to 20000 ton/day of condensate Verification of existing separation trains Additional chilling unit Additional flash gas compression unit Additional tank in new KPC area Metering systems Verification and rehabilitation of flaring and blow-down system, with additional safety valves on existing systems and additional flares. Detailed design for new equipment 	32,500	AWARD 2000	COMPLETION 2001
SONATRACH Algeria Thru ABB SADELMI Milan	Haoud El Hamra-Arzew (OZ2) 34" Crude Pipeline including upgrade of OZ1 28" Pipeline	<p>E.S. Engineering Services.</p> <p>Basic FEED Engineer. Hydraulic verification. Definition of line pipe thickn. Preparation of Tender Documents.</p> <p><u>CRUDE OIL TRANSMISSION PIPELINE</u></p> <ul style="list-style-type: none"> 820 km. of 34" pipeline 28 Line Valve Stations <p><u>PUMPING STATIONS</u></p> <ul style="list-style-type: none"> No. 6 Pumping Stations with electrical pumps and gas turbine pumps. Design Capacity: 5300 m3/h – 55 bar No. 16 Pig Launching and Receiving Stations (new installation or upgrading of existing pipeline, running in parallel) <p><u>EXISTING PLANTS UPGRADING</u></p> <ul style="list-style-type: none"> Storage Tank farms upgrading No. 4 Intermediate injection points with Crude filtering and metering 	880,000	AWARD 1998	COMPLETION 1999

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
		<ul style="list-style-type: none"> Fuel Gas System for turbo-pumps Electrical Power Generators SCADA – Telecom Hazop Analysis Civil Design 			
NATIONAL GAS S.A.E. Egypt	Natural Gas Distribution Network in Area of Eastern Delta	<p>E.P.C. Main Contractor for: Engineering, Procurement, Construction (local partner), Site Assistance, Commissioning & Start-up.</p> <p><u>GAS TRANSMISSION</u></p> <ul style="list-style-type: none"> Main feeder 60000 SCM/H (50 MMSCFD) 12", 30"km. high pressure gas pipeline Pig launching and receiving station 8"/10", 15 km. medium pressure pipeline Cathodic Protection <p><u>GAS PRESSURE RED.AND METER. STATION</u></p> <ul style="list-style-type: none"> N. 1 Pressure reduction and metering station, 20,000 SCM/H (1st stage) N. 1 Pressure reduction and metering station, 40,000 SCM/H (2nd stage) City regulators 5.000 SCM/H each Sector regulators 1.000 SCM/H EACH Medium pressure polyethylene network <p><u>CITY GAS DISTRIBUTION</u></p> <ul style="list-style-type: none"> Low pressure grid and distribution User conversion <p><u>OTHERS</u></p> <ul style="list-style-type: none"> Fire fighting system / F&G detection Control, ESD and Telecommunication system Hazop Analysis <p><u>1st Phase</u> 48,000 Domestic and commercial consumers.</p> <p><u>2nd Phase</u> 60,000 Domestic and commercial consumers</p> <p><u>3rd Phase</u> 55,000 Domestic and commercial consumers</p>	34 MM	AWARD 1998	COMPLETION 2000
LIBERTY POWER LTD Pakistan	Gas Transmission Pipeline for Liberty Power Plant from Qadirpur to Daharki	<p>E.P.C. Main Contractor for: Engineering, Procurement, Construction (local partner) Commissioning & Start-up.</p> <p>12" Gas Transmission Pipeline.</p> <p>40 MMSCFD – 70 bar complete with :</p> <ul style="list-style-type: none"> Pig launcher and receiver traps Mainline break valves Shutoff valves Gas Metering skid Instrument gas skid complete with filtration Gas Chromatograph Cathodic protection SCADA system Utilities Tie-in with Power plant (gas separation, pressure reduction and metering) Corrosion Monitoring 	3.6 MM (EP part)	AWARD 1997	COMPLETION 1998

EXPERIENCE LIST OF MAIN PROJECTS COMPLETED/ONGOING

Client	Project Name	Project Description	Project Value (USD)	Year	
Oil and Gas Development Corporation (OGDC) Islamabad Pakistan	Panjpur Gas Field Gas Gathering System and Gas Transport Pipeline	E.P.C. Main Contractor for: Engineering, Procurement, Site Assistance Construction (local partner), Start-up. <u>WELLHEADS FACILITIES (5 WELLS)</u> <ul style="list-style-type: none"> Sour gas cyclone separators 8 MMSCFD each – 70 bar Chemical & methanol injection system Wellhead Facilities <u>GAS TRANSMISSION</u> <ul style="list-style-type: none"> Flowlines (no. 6) from wells 6” - 12 km. Gas Pipeline 12” - 16 km with line valves Aerial river crossing (500 m bridge) Pig launching facilities at each wellhead Pig receiving facilities at Panjpur intermediate station and at Nandpur arrival station <u>PANJPIR GAS TREATMENT PLANT</u> <ul style="list-style-type: none"> One test separator 8 MMSCFD 70 bar One inlet separator 40 MMSCFD 70 bar One gas dehydration plant (by Glycol) 30MMSCFD Flare and Blow down system Plant utilities Electrical Power supply <u>NANDPUR METERING STATION</u> <ul style="list-style-type: none"> Gas metering system (with flow computer) Gas Chromatograph Blow down system <u>OTHERS</u> <ul style="list-style-type: none"> Fire fighting system / F&G detection Control, ESD and Telecommunication system Corrosion Monitoring System Hazop Analysis 	16 MM	AWARD 1996	COMPLETION 1999
Sui Southern Gas Company Pakistan	Gas System Rehabilitation Steam Boilers & Ancillary Equipment	E.P. Services and Material supply. Main Contractor for Engineering, Procurement Site Assistance Start-up. Supply of Material: <ul style="list-style-type: none"> No. 2 Steam Boilers 177,000 LB/H No. 8 Boilers Feet Water Pumps No. 5 Condenser Pumps No. 3 De-aerators Ancillary Equipment 	5.4 MM	AWARD 1995	COMPLETION 1997
Qatar General Petroleum Corporation (QGPC) Qatar	Fuel Gas Supply to RAS ABU FONTAS “B” Generation & Desalination Plant PH II including point “S” Upgrade	E.P. Services and material supply. Engineering – Procurement - Site Assistance to Construction, Commissioning & Start-up. <u>POINT “S” EXPANSION</u> <ul style="list-style-type: none"> Sour Gas distribution Station at Point “S” 440 MMSCFD 30-45 bar Upgrade of the existing plant and support facilities (Telemetry, metering, etc.) Gas distribution system to users 300 MMSCFD <u>GAS TRANSMISSION</u>	3.6 MM (EP)	AWARD 1995	COMPLETION 1997

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Client	Project Name	Project Description	Project Value (USD)	Year	
		<ul style="list-style-type: none"> Gas Pipeline 30” and 24” - 60 km. Pig launching facilities point S Pig receiving facilities point W2 Telecommunication Cathodic Protection <u>NEW POINT “W2”</u> <ul style="list-style-type: none"> New pressure let down station at point W2 and support facilities (Telemetry, metering, etc.) including: <ul style="list-style-type: none"> 2 Sour Gas K.O. Drums 440 MMSCFD each 36-48 bar / Design code BS 5500 2 Two-stages Sour Gas Filter - Separators 440 MMSCFD each – 36-48 bar / Design code BS 5500 LP/HP Flare K.O. Drum <u>OTHERS</u> <ul style="list-style-type: none"> Control System Corrosion Monitoring System Fiber optic link Utilities Hazop Analysis 			
Ministry of Electricity and Water (M.E.W.) Kuwait	Sabiya Power Station Supply and Erection of Fuel Supply Pipeline and Equipment	E.P. - Engineering – Procurement - Site Assistance to Construction, Start-up. <u>FUEL OIL AND GAS TRANSMISSION</u> <ul style="list-style-type: none"> Hot oil fuel pipeline 16” diam., 86 km Gas Pipeline 42” diam., 86 km Pig Launching facilities Pig Receiving facilities Line valves <u>PUMPING STATION</u> <ul style="list-style-type: none"> Manifold Metering Interface detection Pressure control Fuel oil pumps 490 MTPH – 411 m head Fuel Oil Heaters Fuel storage Control system Telemetry MV/LV Electrical & supply Plant Utilities 	3.5 MM	AWARD 1994	COMPLETION 1996



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