



SICON OIL & GAS S.p.A.



OUR COMPANY SINCE 1992

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**”



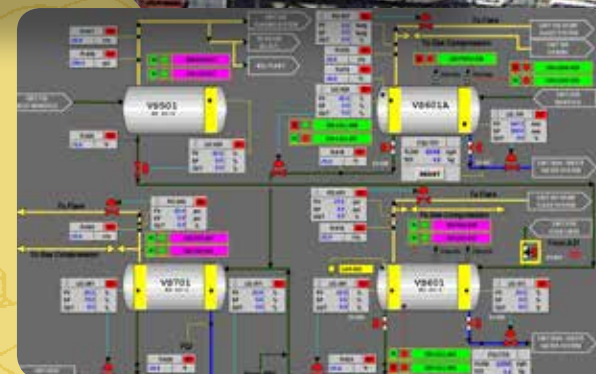
SICON OIL & GAS, while implementing Quality Assurance and HSE Management systems, provides several categories of services.

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



WHAT WE OFFER

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

Jamahirya 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 & HVAC
- 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

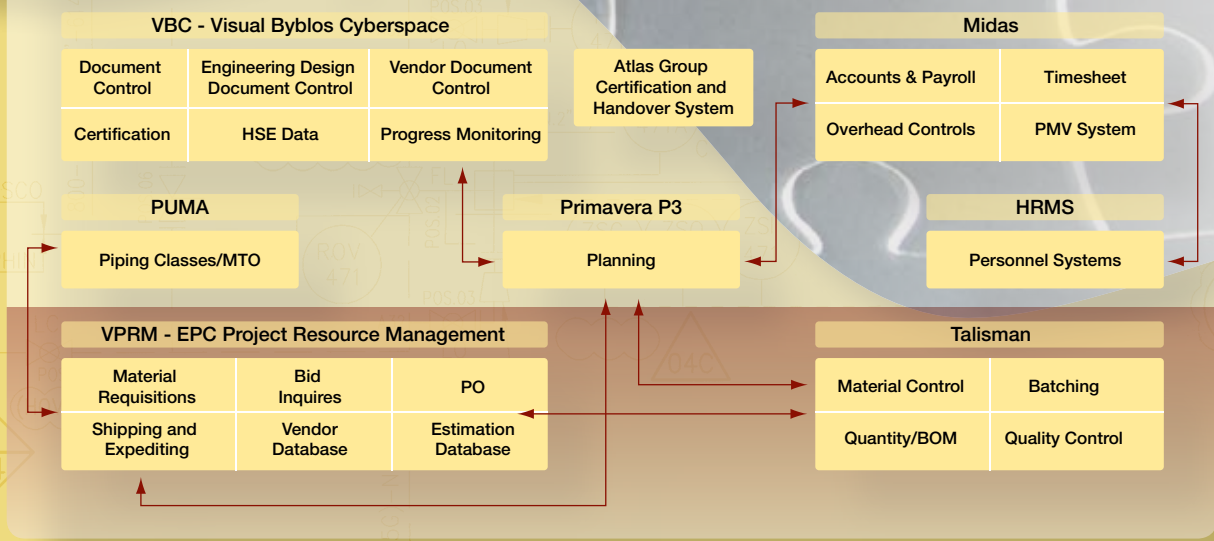


“ a pool of engineers
and specialists ”



“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

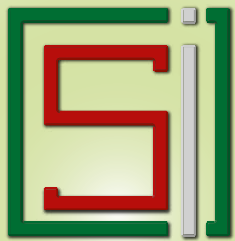
All project control programs are fully integrated. Access to other software in CCC Group IT system is always available.

OUR GREEN VISION

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

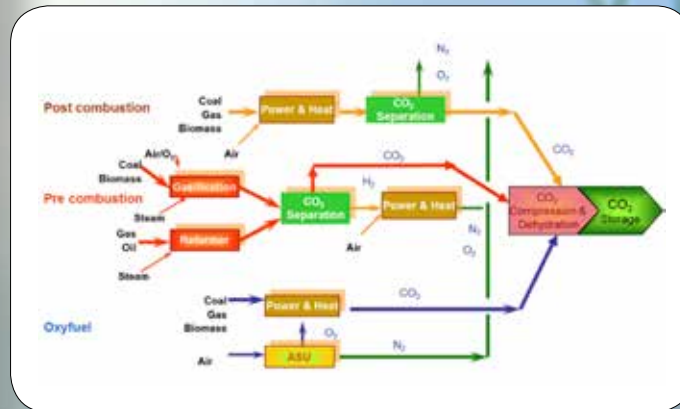
These standards are followed in the Oil & Gas Sector, Down Stream Sector and Renewable Energy technologies:

- 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 Det Norske Veritas (DNV) as per the latest ISO 9001 Quality Standards for Engineering, Procurement, Construction, Installation, Commissioning, Start up and Project Management for Oil & Gas and 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.

SOCIAL RESPONSIBILITY

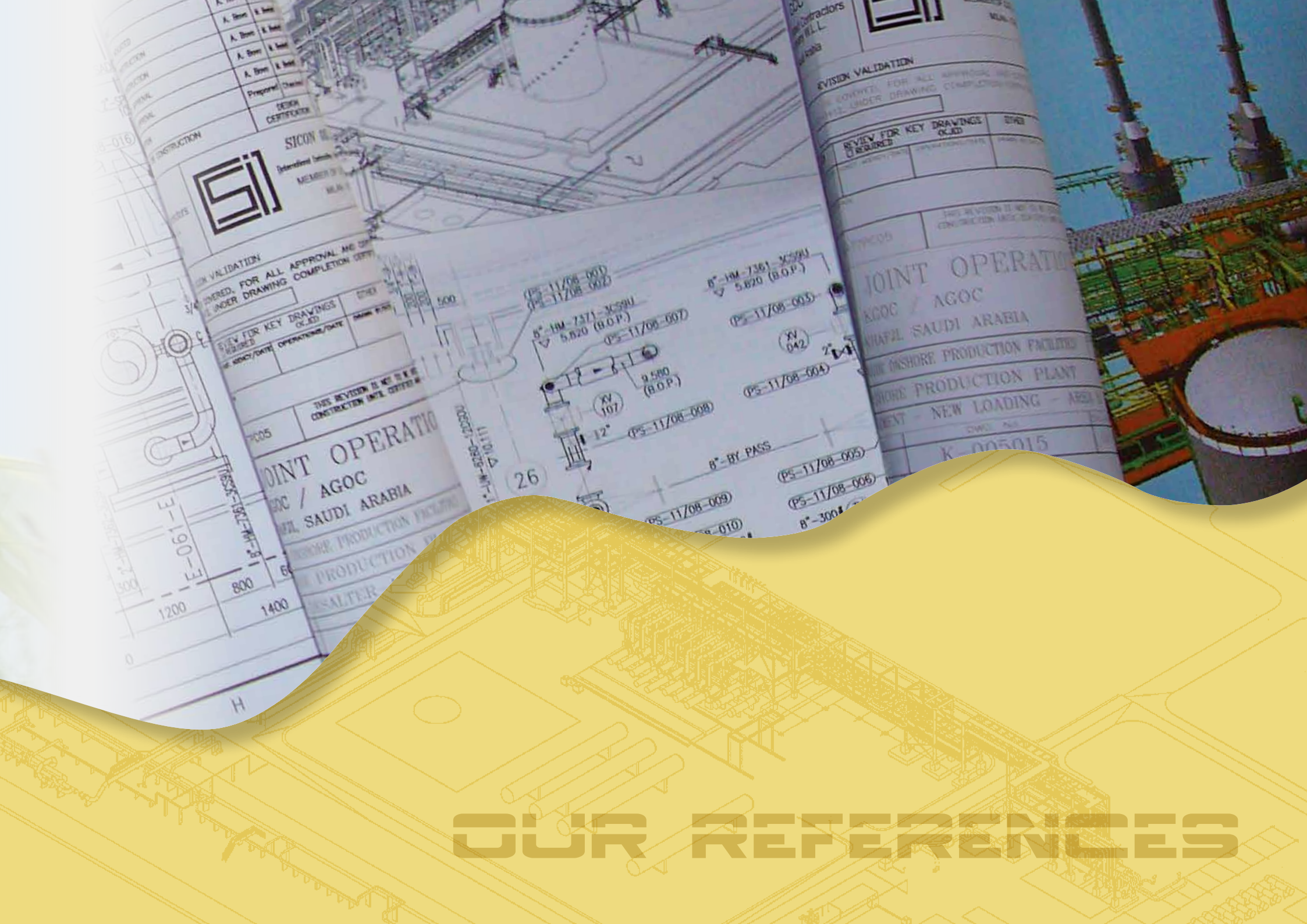
As a member of the CCC Group, SICON OIL & GAS is totally committed to the Corporate Social Responsibility Initiative (CSR), which undertakes the role of “Corporate Citizenship”, aligning business value and behavior, balancing between improving and developing the business of the Company as well as improving the quality of life of its workforce, their families, local communities and societies at large. Globally this CSR initiative covers humanitarian, environmental, sustainable development of local communities, social activities, ethical behavior and philanthropic activities. CCC Group and SICON OIL & GAS are active members in various programs such as the UN Global Compact, the World Economic Forum - Engineering and Construction Industry partnership, the Disaster Resource Partnership (DRP).

SICON OIL & GAS regularly practices Company Social Responsibility within Italy, its own base, and abroad, such as:

- AITC, Associazione Italiana per i Tumori Cerebrali
The Italian Association for Brain Tumors
- Italian National campaign, Telethon against Muscular Dystrophy and Genetic Disease
- L’Albero della Vita - Italian organization for Kids
- CAM – Centro Assistenza Minori
- Save the Children Fund
- UNICEF
- Associazione Laica “Pane Quotidiano”

SICON OIL & GAS family believes that every action, however small, can actually help and preserve our environment. Hence it implements stringent energy saving and recycling programs, whether in its head office Milan, Branch offices and camp facilities.





OUR REFERENCES



SICON OIL & GAS S.p.A.

International Contracting Company for Oil & Gas

Main Office

Via della Giustizia, 10 - 20125 Milano - Italy

Tel. +39 02 667551 - Fax +39 02 6706470

email: sales@siconoil.it - sicon@siconoil.it - www.siconoil.it

Branch Offices

Abu Dhabi UAE Tel: +971 2 654 8037 - Fax: +971 2 5551277 - SiconUAE@ccc.ae

Tripoli LIBYA Tel./Fax: 00218 21 477 7520 - SiconLibya@siconoil.it



MEMBER OF CCC GROUP