

ABOUT US

GOALS

The GOAL that gathers the founders of "Dynamics Co." since 1999 is to perform remarkable works in oil & gas the safest way, with highest quality and most economic method.

Jynamics

STRATEGY

Our STRATEGY to achieve our GOALS is to adopt sustainable improvement by learning and training of ourselves & others, and share experience. keep the perspective attitude of concern, respect, and perfection.

MISSION LET'S DO IT RIGHT

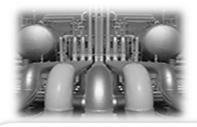
To satisfy our clients by keeping our output products, always, have high degree of attraction, from the first look, complete, efficient, useful, and practical.

"Dynamics Co." believes that the best way to provide value to clients is a "DO THE RIGHT THINGS RIGHT THE FIRST TIME" approach.



" DYNAMICS Co" Field of Experience

The following shed light on the field of experience of "*Dynamics* Co" for Oil & Gas; Offshore, Onshore, and Cross country for midstream, and downstream as well as petrochemical and related industrial Disciplines Studies, Engineering and Construction.



- Processing
- Pipeline, piping & Networks
- Pressure Vessels& Storage Tanks and Stationary Equipment
- N.G & SNG Stations
- OIL & GAS Transmission
 Pipelines
- N.G & SNG house hold, commercial and industrial zone
- Industrial Plants, Processing & Utilities
- LPG System, Tanks, and Filling Stations
- Firefighting and Cooling Systems



- Front End Engineering and Design [FEED]
- Technical & Techno-Economical Studies
- Basic & Detailed Design
- Survey / ROW
- Material Selection
- Material Receiving & Handling
- Fabrication, Welding & Installation
- NDT, Inspection & Testing
- Painting
- Cathodic protection
- Electrical systems
- Control & instrumentation
- Telecommunication systems& SCADA
- Commissioning and start up



Dynamics

- Bidding & Tendering
- Management, Planning,
 Evaluation and Follow up
- HSE and HAZOP Studies
- Environmental Studies
- Training and Qualifying
- Maintenance, Rehabilitation
 - & Repair
- Consultation

4

"DYNAMICS CO" CREDENTIALS



Egyptian Gas Holding Company E - GAS

" Dynamics co" is registered in the Egyptian Gas Holding Co [E-Gas] for performing engineering, construction and inspection for gas projects.

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" Dynamics Co" is also registered in the Egyptian Construction Contractors Union.

QMS

"Dynamics Co" has a robust Quality Management System that is implemented all-over the organization within the requirements of the international standard ISO 9001:2000.

The company's quality management system is formulated to emphasis the control of time, cost, documents and quality of projects from commencement till final completion.

"DYNAMICS CO" QUALITY POLICY

□ The Management of "*Dynamics* Co" is committed to Quality and Continual improvement in the organization.

Dynamics

- Working as a team, and the involvement of Personnel in the continual quality improvement process ensures that the company's GOALS for Quality, Efficiency and Customer Satisfaction are met.
- "Dynamics Co" target for Quality is to maintain and to improve the quality of products and services, in order to meet consistently customer requirements and internal needs.
- □ "Dynamics Co" Management is committed to the safety of the company's operations and, in particular, to the health and safety of employees, customers and the public in general.
- □ Under observance of the aforementioned, customer satisfaction is the company's main priority, we insist on being distinguished in our field.

6

"Dynamics Co" Key Personnel



"Dynamics co" key personnel are professionals and highly experienced for over 30 years in oil and gas projects managing large projects capitals and personnel.

" Dynamics Co" Personnel

"Dynamics Co" personnel with diversified experience ,qualifications and certification in oil and gas projects as well as petrochemical and related industrial disciplines, is capable to carry out Engineering, Design, Material Selection, Projects Construction and Supervision, Quality Control & Quality Assurance including Inspection, NDT with various methods and testing according to Codes, Standards and Specifications.



<u>Dynamics</u>

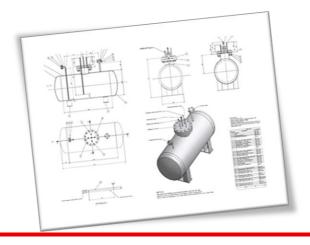


Inspection and Fitness For Service PETROTRADE oil plant Agroud, Suez, Egypt - 2018 / 2019

PROJECT ABSTRACT

Inspection and fitness for service For tank farm, pressure vessels, heater, and piping for used oil.





8

" Dynamics Co" Field of Experience

PROJECTS

STUDIES

TRAINING & QUALIFYING

<u>Dynamics</u>

Engineering Supply and Installation for Gas House and Process area modifications

Johnson Wax Egypt- American Egyptian Company -2017

PROJECT ABSTRACT

"Dynamics Co" scope included Engineering, Supply and Installation in (2017) for replacing fire-doors, ventilation and air system study, water sprinkles system modification, deflagration venting study, humidity control sensor and software calibration, visual alarm for LPG Leak detection, LPG vent stack study, piping modification, replacing gas house cable trays, installation of fire fighting hose and box, thickness measurement for LPG line elbows





Dy<u>namics</u>

Engineering, Procurement and Supervision of LPG capacity increase

Johnson Wax Egypt, Belbeis road, Cairo - 2013

PROJECT ABSTRACT

"Dynamics Co" scope included Basic Engineering Detailed design (Process, Piping, Mechanical, Electrical and Civil), Tendering and procurement Service of complete LPG system and LPG storage tanks, Tendering and procurement service of process plant piping (LPG &Air). Tendering and procurement of water cooling system, Receiving material and equipment Supervision on construction, Erection, Installation Testing Commissioning. Training of Johnson's staff as well as preparation of operation and maintenance manuals

LPG Plant includes;

- 4LPG storage tanks with capacity 100m³ each.
- LPG dual pump.
- •LPG compressor and truck unload station.
- LPG Piping System.
- LPG odor removal (De-Stenching Towers) system.
- •Fire Fighting and Cooling water tank, steel, vertical tank, 2500 m³ capacity.
- •Fire Fighting system NFPA; MF, UL Cooling water pumps, Cooling water piping and Deluge system.



PROJECTS

STUDIES

TRAINING & QUALIFYING

Engineering, Procurement and Construction of **SNG** Standby System Saint Gobain Glass Egypt [SGGE] - 2009 / 2010

PROJECT ABSTRACT

As an alternative energy solution, SNG standby system has been implemented for Saint Gobain Glass factory in Ain El Sokhna, Suez, Egypt that produces flat glass as a substitution to Natural Gas.

SNG Plant includes;

- 3 LPG storage tanks with capacity 100 m³ each.
- LPG dual pump
- LPG compressor and truck unload station
- Water bath vaporizer
- LPG / Air mixer
- Water cooling

" DYNAMICS Co" scope includes;

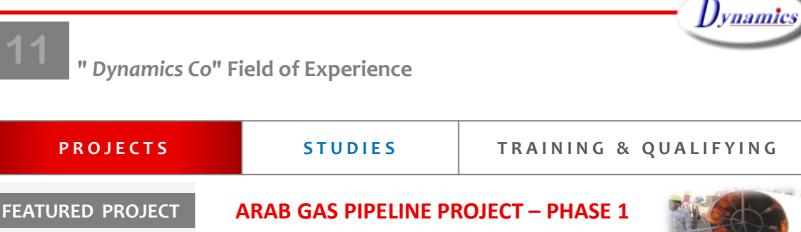
- Basic engineering
- Detailed design (Process, Piping, Mechanical, Electrical, and Civil)
- Supplying and Installation of complete SNG system and LPG storage tanks.
- Supplying and Installation of process plant piping (LPG, Air & SNG).
- Supplying and Installation of water cooling system.
- Supplying and Installation of Electrical & Control systems including Fire Detection and Alarm



<u>Dynamics</u>







API 5L X70 – 320 km - 36 inches - 70 Bar

2006 - 2008

This project is owned by the Syrian Gas Company SGC, and is executed by Story Trans Gas(Russian Company).

The pipeline route is from Jordan borders to Homs city in Syria Including one fiscal metering station, one intermediate station and 10 block valve stations, *"Dynamics Co"* scope included two main activities; Engineering Review & Consultation, and Site Supervision, on behalf of Tractebel Engineering (TE), Brussels, Belgium.

The Engineering scope of work included review, comment & approve the project engineering [B.D & D.D], procedures, certificates, drawing and documents.

Site Supervision scope of work included project quality control during the construction phase up to project start up.

Our scope also included supervising Performance of Hydro-test and Commissioning.

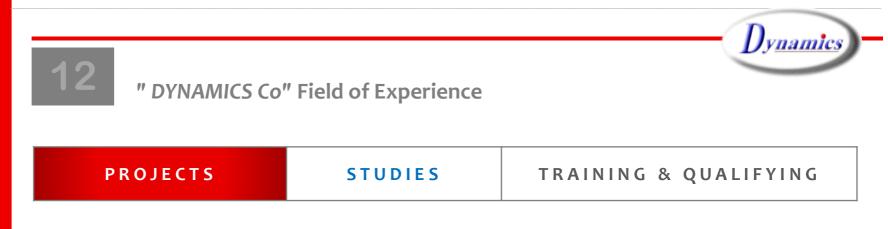
The Engineering scope of work included approve and stamping documentation and drawings on behalf of Tractebel











Consultation and Q.C for the Construction of 4 Storage Tanks

ITAL FLUID EGYPT - 2008

PROJECT ABSTRACT

The project scope included consultation and Q.C activities for the construction of 2 waste water and 2 condensate storage tanks on behalf of Ital Fluid Egypt, El Fayrouz Gas Treating Plant, Rommana, El Arish.

The Consultation scope included; review and comment the construction and inspection procedures as well as painting data sheets and painting system, preparation of quality forms for construction and inspection follow up, and preparation of evaluation reports during the construction period up till the project handing over.

The Q.C scope of work included site supervision on the construction including; quality control of welding activities, Non-Destructive Testing [RT, UT, PT, MT & VT], Vacuum Box Testing, and Hydro test, as well as follow up quality control of painting activities for the internal and external surfaces of the four tanks and their accessories.





<u>Dynamics</u>

Commissioning of Homs - Baniyas Gas Transmission Pipeline

Syrian Gas Company [SGC] - 2007

PROJECT ABSTRACT

This project scope of work included performing pre-commissioning and commissioning for 24", 150 km Homs - Baniyas gas transmission pipeline in Syria.

Pressure Vessels and LPG System

Petroland LPG Factory - Belbeis - 2007

PROJECT ABSTRACT

"Dynamics Co" scope included Engineering and Consultation for rehabilitation and construction of new refilling platform including the new equipment LPG system and reviewing drawing, materials suppliers' documents, Construction, inspection, and testing of Horizontal tanks, LPG network, pumps, compressors, valves, conveyors, civil works and steel structures refilling platforms. Installation of steel structure for the refilling platform

EPC for fire fighting ;water network, fire fighting pumps including modification for vertical water tank. EPC for Instrument Air, including air driers, and piping. EPC for Electrical system including power panels, cabling on the platform, explosion proof lighting, and power for pumps, compressors, and testing.



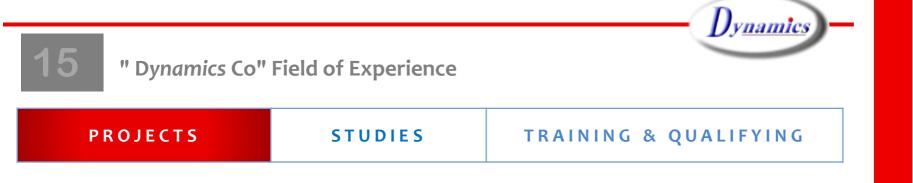
TRAINING & QUALIFYING

Dy<u>namics</u>

Study For Assessment and Upgrading of Natural Gas pipeline for Arish to Aqaba East Gas Co. - 2005

PROJECT ABSTRACT

"Dynamics Co" scope included Preparing the technical study for upgrading the 36" diam., 237 Km length existing NG Pipeline from Arish to Aqaba to enhance its performance, increase its capacity and increase line end pressure. the study included 6 comparable cases, the conceptual design for a and compression station and budgetary evaluation for capital and operation cost at various flow rates. preparing tender documents for FEED Co. and FEED activities and preparing tender documents for EPC Co., EPC bidding and EPC evaluation & awarding.



Natural Gas Main Metering and Reduction Station

EL Nubaria Co. - 2004

PROJECT ABSTRACT

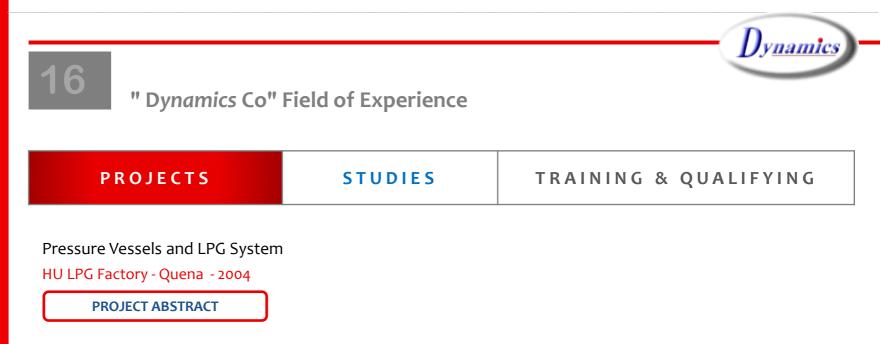
"Dynamics Co" scope included Supervision for the Construction and Installation of the Natural Gas main Metering and Pressure Reduction Station for El Nubaria Power Station, included verification and identification of material, preparation of WPS, PQR & WQR, Supervising fabrication, attending and approving Inspection, Testing, Commissioning & Start Up, on behalf of Schlumberger / Actaris, Germany. The scope also includes review on instrumentation and control systems and training for company staff

Transformation of Brick Factories

Canadian AID Grant (EEIF) - 2004

PROJECT ABSTRACT

" DYNAMICS Co" scope included Transformation of brick factories system from using heavy oil (MAZOT) to Natural Gas. The work included preparing project specifications, bidding documents, evaluating Bidders including regulating stations, gas network and Igniters for 50 brick factories. Supervision on installation o reduction and metering stations for 50 factories, on construction works including Natural Gas piping and internal kilns piping, supervision on installation of burner control system. Supervision on commissioning and start up. A Project of Environment enhancement and Carbon induction reduction

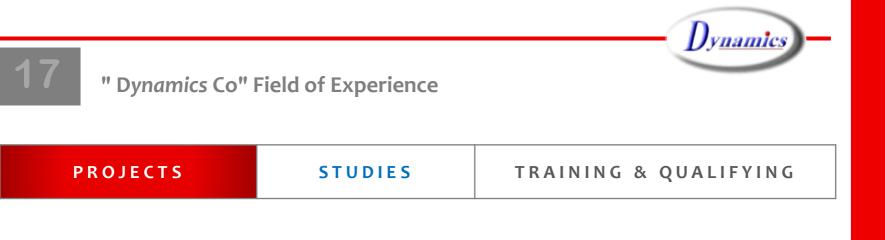


" DYNAMICS Co" scope included Engineering and Consultation for LPG system including reviewing drawing, materials suppliers' documents, construction, inspection, and testing of spherical tanks and LPG Tanker Trucks.

Pressure Vessels and LPG System Kiro Gas LPG Factory - Alex - 2003

PROJECT ABSTRACT

"*Dynamics* Co" scope included Engineering and Consultation for LPG system including reviewing drawing, materials suppliers' documents, construction, inspection, and testing of spherical tanks, LPG network, pumps, compressors, valves. Engineering, supply of material, Construction, welding painting of fire fighting system including vertical water tank, water network.



PRS for Bourg El Arab Natural Gas Project DRESSER COMPANY - 2003

PROJECT ABSTRACT

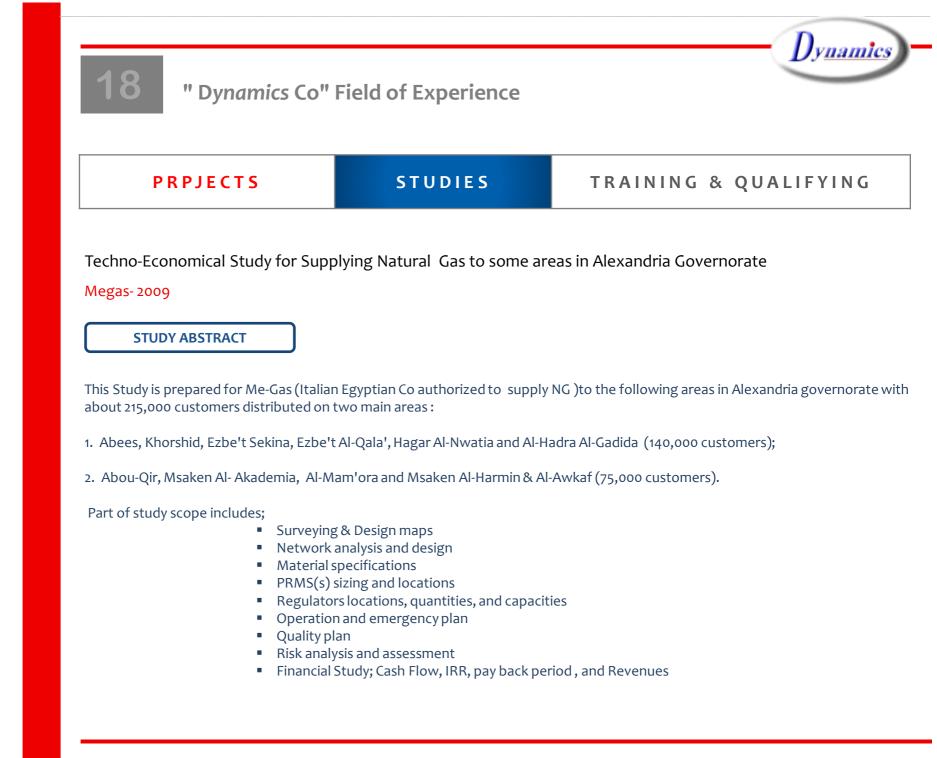
"Dynamics Co" scope included Supervising and managing the quality control plan for the fabrication and installation of 8 pressure reduction stations for the industrial zone of Bourg EL Arab, the work included checking and identification of materials, supervising fabrication and attending & approving inspection & testing.

EL Sharqeia Natural Gas Transmission Line

ABB CO. - 2002

PROJECT ABSTRACT

" DYNAMICS Co" scope included Construction of high pressure steel Pipeline for natural gas transmission, the line is 16" diameter and 70 bar operating pressure, 12 km. part of Tenth Of Ramadan to El Sharqeia pipeline. The job included welding coating, and lowering of high pressure transmission line.





PROJECTS

STUDIES

TRAINING & QUALIFYING

Dynamics

Techno-Economical Study for Supplying Natural Gas to Sohag Governorate HBH Egypt - 2009

STUDY ABSTRACT

HBH intended to invest about 900 million EGP for this project. The study is prepared to be presented to the Governmental Holding Company E-Gas. The Study scope contains but not limited to the Supply of NG in SOHAG governorate for approximately 225,000 residential customers, the commercial ,and Industrial clients distributed on 11 cities [Sohag – Akhmim – Gehena – Tahta – Tama – El Maragha – Guirga – El Monsh'aa – El Balyna – Saqolta – Dar El Salam]. Part of study scope includes;

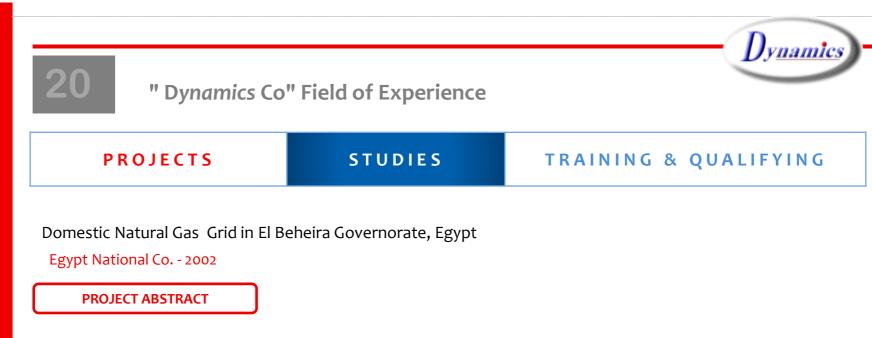
- Surveying & Design maps
- Network analysis and design
- PRMS(s) sizing and locations.
- Regulators locations, quantities, and capacities
- Financial Study; Cash Flow, IRR, pay back period, and Revenues

Technical Study for Supplying Natural Gas to Moubark City in Assuit Governorate REGAS - 2009

STUDY ABSTRACT

This Study is prepared for Re-Gas (The Governmental Company authorized to supply NG to Assiut Governorate, to supply NG to Moubark city (Suburban to Assiut City) in ASSUIT governorate of about 8000 residential clients as a Pilot project. study scope includes;

Land survey & mappingPipeline Route selection



"Dynamics Co" scope included Engineering and Feasibility studies for domestic Natural Gas grid in El Beheira governorate. Proposing nonconventional solutions for enhancing the possibilities of using NG for residential applications in Rural and low population Areas.

Development of Transformation of CNG Vehicles in Egypt

Nexant- US AID - 2002

PROJECT ABSTRACT

Project was performed for petroleum and environment ministries in order to discover opportunities and future of CNG vehicle transformation in Egypt. The study emphasized the relation between Gasoline and CNG consumption and prices, and its effect on developing the CNG use in Egypt, discovered the potentials and difficulties and future plans.



PROJECTS

STUDIES

TRAINING & QUALIFYING

Jynamics

"Dynamics Co" Presented this tender documents [technical and commercial offers] in (2020) to Johnson Wax Egypt for the Calibration of LPG tanks safety relief valves and piping hydrostatic valves, Hydrotest for Destenching towers

"Dynamics Co" Presented this tender documents [technical and commercial offers] for Detailed Engineering and manpower support for offshore works- topside modifications of NAQ/PIII platform, Abou Qir Alexandria Egypt- in (2020) for Sapura Energy, Malaysia.

"Dynamics Co" contracted for Technical assistance for Ebla Trading & Engineering Co/ Banias refinery company Syria for Banias furnaces heaters rehabilitation in (2019)

"Dynamics Co" Presented this tender documents [technical and commercial offers] to Petrotel Oman LLC in (2019) for provision of Front End Engineering Design (FEED) for early production facility of 12" pipeline 12km. Musandam, Oman

"Dynamics Co" Presented this tender documents [technical and commercial offers] to Oman Oil Company Exploration & Production LLC in (2019) for Fitness For Service study of five pressure vessels in Block 60, Oman



Dynamics

PROJECTS

STUDIES

TRAINING & QUALIFYING

"Dynamics Co" Presented this tender documents [technical and commercial offers] for Engineering in (2018) for Ebla Trading & Engineering Co/ The Syrian Oil Company which aims to reinstate Wadi Abeid oil field production facilities.

"Dynamics Co" Presented this tender documents [technical and commercial offers] in (2018) for maintenance annual agreement for Gas Station, and the internal gas pipe network of Arab Potash Factory, Jordan

"Dynamics Co" Presented this tender documents [technical and commercial offers] for Engineering procurement, Construction, installation, testing and start up in (2016) for El Manaseer steel factory south Amman, Jordan. The project aims to design, supply, install, commission, and start up for: 4" branch pipeline supplying natural gas from the 36" pipeline to Manaseer steel factory. From the hot tap at 36" pipeline to the Pressure Reduction and Metering Station (PRMS)., A Pressure Reduction and Metering Station (PRMS), and Internal natural gas piping from PRMS outlet to the Take Over Point (TOP).

"Dynamics Co" Presented this tender documents [technical and commercial offers] in (2014) for Hoegh LNG AS, Denmark / E-Gas, Egypt to provide natural gas supply through a Floating Storage and Re-gasification Unit (FSRU) to be located at the West Berth of the DP World owned Liquid Jetty in Sokhna Port, Egypt. "Dynamics Co" to supply material, perform the fabrication, inspection, testing, erecting, and commissioning of piping system, steel works, the temporary loading arms with jumpers, and the electrical & Instrumentation works to be mounted on the jetty.



PROJECTS

STUDIES

TRAINING & QUALIFYING

Jynamics

"Dynamics Co" presented This study for Taka , Egypt in (2012) for Consultancy Services, Improving the Business Environment; Reform of the Afghanistan State Gas Enterprise ("Afghan Gas"). The scope of Dynamics Co Experts is; data collection and review of earlier studies, analysis of Gas demand & supply resources, Study for Restructuring of the existing State Gas Company, Functional Analysis and Institutional Relations:(Review, Analysis and Recommendations), Preparation of an overview document that graphically describes the status of the Afghan Gas structure and supporting operations, staffing, Technical Review of Afghan Gas Operations ,Infrastructure and Equipment Assessment, Assess operational protocols for maintenance and repair, Propose the basis for the economic study of "New Afghan Gas" Structure and Transition Plan, Provide recommendations for New Institutional and Staffing Requirements , Provide recommendations for the new Afghan Gas structure and staffing arrangements, Develop a Mitigation Plan based on Social Impacts.

This study is prepared for Nat Gas (Kuwaiti Egyptian Co) in (2009) for Techno-economical study for supplying Industrial zone with air/LPG mixture (SNG)network, including the mixing systems and the LPG storage systems, in Oman.

This study is prepared for *Egypt Gas* in (2009) for Operation, maintenance & Emergency plan for steel pipeline network for the Industrial zones in Abu Dhabi, Emirates.





PROJECTS STUDIES

TRAINING & QUALIFYING

"Dynamics Co" presented This study in (2008) for Overseas Co/ E-gas Data collection & review, assessment, analysis, survey, calculations, MTO, Mapping, and feasibility study (200,000 residential customers) In Ard El Lewaa residential area, and Abo Rawash Industrial area Cairo, Egypt

"Dynamics Co" presented This study in (2008) for Re-Gas Co / E-gas. Data collection & review, assessment, analysis, survey, calculations, MTO, Mapping, and feasibility study (100,000 residential customers) general area in Egypt

"Dynamics Co" Share the tender preparation with Arab Contractor Company Egypt in (2008) for Technical study for oil transmission pipeline between Kenya and Uganda with 380 km length and 10" diameter.

This study is prepared for *Nat Gas* (Kuwaiti Egyptian Co) in (2008) for Techno-economical study for supplying residential resorts with air/LPG mixture (SNG) network, including the mixing systems and the LPG storage systems in Dubai and Abu Dhabi, Emirates.



" DYNAMICS Co" Supplied Services

PROJECTS

STUDIES

TRAINING & QUALIFYING

Jynamics

This study is prepared for *Nat Gas* (Kuwaiti Egyptian Co) in (2008) for Techno-economical study for supplying residential resorts with air/LPG mixture (SNG) network, including the mixing systems and the LPG storage systems in Dubai and Abu Dhabi, Emirates.

"Dynamics Co" Presented this tender documents [technical and commercial offers] in (2008) for Ali Brandi-Libyan Co for "A100 Flow Lines Replacement Project " including ; Site Preparation, Route Finding and Surveys, Right Of Way, Excavation & Backfilling, Mechanical construction works, Pipeline construction works, and Corrosion Prevention and Monitoring.

This study is prepared for Egypt Gas (the governmental Company) To be presented to Libyan Authorities in (2007). The study scope is Tender documents preparation [technical and commercial offers] for Nalut - Gharian Natural Gas transmission pipeline project with 220km length, 12" diameter, and 130 km of 6" branches to city gates, Libya. Including site visit in Libya. (2007)

"Dynamics Co" Presented this tender documents [technical and commercial offers] to Libyan authorities in (2007) for Green Mountain East Ben Ghazi, Libya project for supplying 39 cities with air/LPG mixture (SNG) including the mixing systems, LPG storage systems, distribution system, internal& external installations for residential, commercial and power plants, Libya. The budget of the project is about 980 million Euro.



" DYNAMICS Co" Supplied Services

PROJECTS	STUDIES	TRAINING & QUALIFYING
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Dynamics

ASME CODE SECTION V "Non Destructive Testing AMERICAN UNIVERSITY IN CAIRO (AUC) – 2004 up till now

COURSE ABSTRACT

Training courses on ASME code section V "Non Destructive Testing" the different methods of NDT and limitation of each method.

NFPA 58 and LPG Manual WORK HEALTH AND SAFETY PRACTITIONER "INVESTIGATE WHS INCIDENTS" AMERICAN UNIVERSITY IN CAIRO (AUC) – 2018 up till now

COURSE ABSTRACT

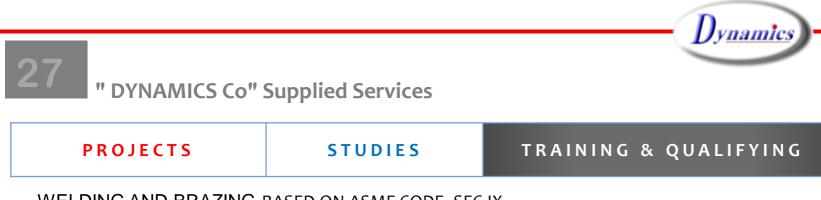
Incidents*, cases of ill health, dangerous occurrences, near misses* and property damage can have high human and financial costs. The purpose of investigating workplace incidents is to ascertain both the immediate and underlying causes and to put in place measures to prevent a re-occurrence

API AND ASME CODES

ARAB LEAGUE – 2005

COURSE ABSTRACT

Training courses on construction and operation of oil and gas projects according to API, ASME and other codes. The training aimed to enhance and develop oil and Gas engineers' capabilities of different Arab countries.



WELDING AND BRAZING BASED ON ASME CODE, SEC IX

American University in Cairo (AUC) – 2004 – 2018 up til now

COURSE ABSTRACT

ASME code section IX "Welding and Brazing", Introducing the different methods of different welding processes and evaluation of welding and welders procedures according to ASME code.

Professional Program in Welding Engineering WLEN 010, WLEN 020, WLEN 030 and WLEN 040 American University in Cairo (AUC) – 2016 till now

COURSE ABSTRACT

Introduce engineers to the different welding techniques, technologies, and welding design. After studying these courses, attendees will be able to understand and discusses: The metallurgical characteristics of the welding materials, The bases for selecting welding electrodes and welding consumables. The application of welding codes and standards in various welding fields will also be discussed in this program.



" DYNAMICS Co" Supplied Services

PROJECTS STUDIES TRAINING & QUALIFYING	
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Dynamics

Johnson Wax Egypt- 2014 & 2017

COURSE ABSTRACT

Training courses on NFPA 58 and LPG operation and maintenance manual for LPG capacity increase system and fire fighting.

API AND ASME CODES

PETROTRADE oil plant Agroud, Suez, Egypt - 2018 / 2019

COURSE ABSTRACT

Training courses on fundamentals of NDT methods for operation and maintenance staff at Petrotrade plant.

29



List Of Clients

E-gas Co (Egyptian Gas Holding Company)	East Gas Co. , Egypt
Egypt Gas Co, Egypt	Petrogas (EGPC), Egypt
Nat Gas Co, Egypt	Egypt National (NG Co.), Egypt
Regas Co	Cairo Gas Co
Megas Co (Egyptian Italian Co)	Arab Contractors Co [ACC], Egypt
Overseas gas	ABB (EPC Co.)
Genco group, Egypt	Actaris, Germany
Dresser Flo-Systems, UK	Petroland (LPG Plant), Egypt
Tractebel Engineering (TE), Brussels, Belgium	KiroGas (LPG factory) , Egypt
Ital Fluid Egypt,	HBH (Egyptian American Co)
Saint Gobain Glass Egypt	Johnson Wax Egypt
HU (LPG Plant) , Egypt	SP-Gas (LPG Plant), Egypt
American University in Cairo -AUC	IDEA, Canadian Egyptian Co
Egyptian maintenance Company (San Misr)	Petro Mint



31

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