



National Petroleum Services Company (K.S.C.C.)
الشركة الوطنية للخدمات البترولية (ش.م.ك) مقفلة

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UPSTREAM & DOWNSTREAM ENERGY SERVICES





Company Profile & History

Founded in 1993 as a private Company offering pumping services to the Kuwait Energy Sector, NAPESCO has established itself as a leading provider of Upstream Oilfield Services including Cementing, Stimulation, Coiled Tubing, Nitrogen, Well Testing, Slickline and Downhole Service Tools.

In 2001 the Company began offering Environmental Services and today maintains a leading position within the Gulf Region as an in-house provider of Environmental Monitoring & Analytical Laboratory Services, Consultancy Services and Waste Management Services. This business segment is further strengthened by offering HSE Consultancy Services, Safety & Risk Management Services and related Training Services.

Additional business activities include Geo Technical & Material Testing, Leak Detection & Repair, Fire Suppression Systems & Service, Halon Management Services and the Commercial Sale of Third Party Industrial Products and Services.

Since 2003 NAPESCO has been a publically traded Company listed on the Kuwait Stock Exchange. In 2006 the Company expanded its business operations within the Region through additional capital investments, facility expansion, further diversification of business activities and the start up of International Operations into selected geographic areas within the Middle East Region including the Republic of Iraq and the Kingdom of Saudi Arabia.

The Company is proud to employ a fulltime workforce in excess of five hundred personnel representing twenty eight different nationalities that are dedicated, professional, well trained and who are committed to delivering the highest level of service to our Clients.

Major Achievements & Awards

- 1993 - NAPESCO is established as a Share Holding Company with KD 2,000,000.00 Capital
- 1995 - Operational offering Cementing Services to Kuwait Oil Company & Joint Operations, Wafra
- 1998 - Awarded ISO9001 Certification for Quality Management System
- 1999 - Expand Service Offering to Include Coiled Tubing, Stimulation, Nitrogen & Downhole Tools
- 2003 - Listed on the Kuwait Stock Exchange
- 2005 - Establish a "State of Art" Environmental Laboratory
- 2008 - Awarded ISO14001:2004 Environmental Management System
- 2009 - Company becomes registered in the Republic of Iraq and Kingdom of Saudi Arabia
- 2011 - Complete Construction of NAPESCO Facilities in Iraq
 - Awarded ISO 17025:2005 Laboratory Quality Management System
 - Expand Service Offering to Include Soil Investigation & Geo Technical Services
 - Approved by the KOC to provide Well Testing Services
- 2012 - Approved by the KOC to provide Slickline Services
 - Approved by the KOC provide Safety & Health Consultancy Services
 - Start Up of Waste Management Services including Oil Recovery & Treatment Services
 - Awarded GCC HSE Excellence Award, American Society of Safety Engineers
 - Awarded KOC, Chairman's & Managing Director's HSE Award
- 2013 - Awarded Major Contract for Halon Recycling Project in association with M/s HANWHA
 - Awarded Major Contract for Oil Spill Management in association with M/s MEKE
 - Awarded Major Contract for Environmental Monitoring & Laboratory Services (KNPC)
 - Awarded Major Contract for Sludge Treatment & Crude Oil Recovery in association with M/s GS&E (South Korea) and TERI (India)





OWNERSHIP

Since 2003, NAPESCO has been a publicly traded company listed on the Kuwait Stock Exchange. Annual Revenues are earned primarily through long term contracts for Upstream and Down Stream Services within the energy sectors in the Gulf Region.

In 2006, NAPESCO expanded its business operations in the region through additional capital investments, facility expansion, business diversification and International Operations into selected geographic areas.

Leadership

Mr. Omran Habib Jawhar Hayat - Chairman

Mr. Khaled Hamdan Al Saif - Chief Executive Officer



VISION

Our vision is to become the Market Leader in our chosen businesses throughout the Gulf region, yielding maximum return on investment for our shareholders and adding value for our stakeholders.

Strategic Objectives

We shall maximize our Market Share in our current markets and expand regionally, either directly, through partnerships or through strategic acquisitions.

We shall utilize Best Practices in QHS&E, Management Processes and Information technologies to ensure no harm to our people, no harm to the environment and to create a practical management model that can be replicated in new operations.

We shall provide reliable value added solutions to our customers through the introduction of new technologies and unique solutions imported from our technology partners and through technology development programs.

The company will strive to attract and retain Qualified Professionals through a rigorous recruitment process and develop them within a structured Grading and Competency System. We shall adopt a comprehensive partnership culture with all employees, promoting team spirit and aligning their personal aspirations with that of the Company's Vision.

As a National Company, we shall adopt aggressive training programs for indigenous employees and provide community services through public relations initiatives.





QUALITY, HEALTH SAFETY & ENVIRONMENTAL (QHSE) POLICY

“Quality begins on the inside... and then works its way out”

Striving for Excellence in Management

NAPESCO Management System is a fully integrated function used in our corporate strategy and day to day management of business activities including interaction with human resources, operations, engineering, purchasing, sales, finance and investor relations. The Company Quality, Health, Safety & Environment Management System is certified to both ISO: 9001 and ISO: 14001. The Management System provides a common framework for determining and implementing policy, complying with all applicable regulatory and client requirements, setting goals and objectives, measuring and reporting key performance indicators and includes feedback mechanisms to continually monitor and improve performance.

NAPESCO strives to lead the industry in QHSE matters. The main driver of our efforts is Continuous Improvement. Through the use of a combination of leading and lagging performance indicators to develop performance baselines, track performance, identify trends and initiate continuous improvement opportunities; NAPESCO has reduced both lost time incidents (LTI) and total recordable incidents (TRI) for the past five consecutive years.

Core Corporate Value

Protecting human health, performing our work tasks safely and protecting the environment is a core value at NAPESCO. This commitment is well defined and documented and is further reinforced both internally and publicly in the Company's policy. Our compliance to ISO: 9001, ISO: 14001 and ISO 17025 Certification / Accreditation ensure that NAPESCO operates to the highest international standards; continuously improves both our operations and environmental performance; and heightens stakeholder confidence in our organization. Within NAPESCO our safety goal is zero incidents. We have continuously improved our safety results for five consecutive years, effectively getting closer to this goal every year. NAPESCO measures safety results quarterly and yearly against both internal historical and industry results.

Leadership and Commitment

A primary and significant demonstration of NAPESCO's commitment to continuous improvement is the Company's decision to voluntarily and proactively certify operations to ISO:9001, ISO:14001 and ISO 17025.

Senior management will be continuously providing strong, visible leadership and commitment to the Core Corporate Value. This commitment translates into the necessary resources to achieve Continuous Improvement.

Employee Engagement:

We take to heart the well-being of our employees. Our Companywide emphasis on safety, our extensive training programs, our quality-of-life benefits - all these are ways we maintain and develop the one asset that makes every success possible: the NAPESCO team.



UPSTREAM OILFIELD SERVICES

Cementing Services

Primary Cementing consists of placing cement in the annulus between the casing and the formation. The three main objectives in primary cementing are to support the casing, protect the casing and most importantly to provide zonal isolation thereby preventing cross contamination of production (oil and gas) and water zones. Typically, two or more strings of casing will be ran into the well (surface casing and production casing) and in the case of deeper wells with higher temperatures and pressures up to five or more strings of casing may be ran into the well.

Remedial Cementing is a service offered by NAPESCO that is often required during the life of a producing well. In this application, cement is used to repair leaks or communication between different zones.

In addition to providing services for both Primary and Remedial Cementing, NAPESCO also provides other Cementing Services including Abandonment Plugs, Kick Off Plugs, Lost Circulation Systems and Cement Systems which may be pumped through Coiled Tubing.

NAPESCO offers a modern fleet of Truck Mounted Cementing Units equipped with dual SPM Triplex Pumps that are powered by either Detroit Diesel or Caterpillar engines. Mixing of the Cement Slurry is achieved with state of the art Re-circulating Mixers (RCM) with automated density control (ADC) allowing for high energy mixed slurries with precise control of cement slurry properties. All cementing jobs are recorded with high resolution Data Acquisition Systems (DAS) allowing for real time records and historical data which may later be utilized in post job evaluations.

Qualified personnel, modern equipment and a diverse variety of cementing formulations for different applications and operating environments; are further supported by the latest in design / job modeling software. All cement slurries, pre-flushes, and spacers are designed and tested in a well equipped and staffed API Cementing Laboratory allowing NAPESCO to offer optimized cementing solutions according to best industry practices.

Casing Hardware Equipment

In association with a leading manufacturer, NAPESCO offers a comprehensive line-up of Casing Centralizers and Float Equipment manufactured to API 10D, 5CT & ISO 9001:2008. These products include:

- Bow Spring Centralizers
- Rigid Centralizers
- Solid Centralizers
- Cementing Baskets
- Spirolizers
- Turbolizers
- Stop Collars
- Cementing Baskets
- Float Collars
- Float Shoes
- Guide Shoes
- Stage Cementing Tools
- Accessories





Cementing & Stimulation Laboratory

To support cementing and stimulation services, NAPESCO maintains a well equipped and modern API Laboratory. This facility is staffed by experienced technicians and is capable of conducting all API Testing Procedures necessary to ensure cementing formulations adhere to best industry practices. Typical testing performed for cementing services include:

- Thickening Time
- Compressive Strength
- Free Water
- Gas Migration Analysis
- Water Analysis
- Fluid Loss
- Rheology
- Gel Strength Development
- Mud Compatibility

A variety of stimulation tests can be conducted as per client's requirements including:

- Emulsion
- Corrosion
- Compatibilities
- Solubility
- Water Analysis
- HT & HP Rheology

Cement Systems

Lightweight Cement Systems (8.5 - 10.5 ppg)

Ultra Lightweight Systems (7.5 ppg)

High Early Strength Lightweight Systems

Extended Cement Systems (non-bentonite)

Heavy Weight Cement Systems (22 ppg)

High Temperature Cement Systems (+ 230°F)

Anti Gas Migration Cement Systems

Ultra Fine Squeeze Cement Systems

Thixotropic Cement Systems

Thermal Cement Systems (Steam Injection Applications @ + 500°F)

Cure Loss® Cement Systems (Combating Drilling Losses)

Simulation Systems

Conventional HCL Acid Systems

Emulsified Acid Systems

Gelled Acid Systems (retarded acid)

Self Diverting Acid Systems (pH dependent)

Polymer Free Diverting Acid Systems (PDA)

Water Shut Off Products



Stimulation Services

Stimulation treatments enhance or stimulate production in all formation types. The most common types of well stimulation involve the use of acid (organic or inorganic) and can be further categorized by injection rate and pressure. Treatments that are injected into the formation above the fracture pressure of the formation are termed “Acid Fracturing”, while acid injected into the formation below the fracture pressure is termed “Matrix Acidizing”. The success of the treatment depends on many variables such as the compatibility of the treating fluid with the formation rock and reservoir fluids and how effective the reactive fluid can be placed into the formation to ensure optimum coverage of the producing zone.

NAPESCO offers a variety of proprietary acid formulations and chemicals to ensure the proper chemistry is achieved and to optimize the stimulation treatment for a given producing zone. From initial laboratory testing and job design to on-site job execution and post-job evaluation, NAPESCO is well equipped to deliver effective stimulation treatments at the well-site and have performed some of the largest matrix acid treatments in Kuwait.

Coiled Tubing Services

Coiled Tubing (CT) represents one of the fastest growing segments of the well servicing industry. CT is a continuous length of steel pipe that is commonly available in size from 1.5” - 3.5” and which is spooled onto a large diameter reel and which can be deployed into oil and gas wells. CT offers economical advantages over conventional (jointed pipe) work-over techniques including:

- The ability to work on live wells with the existing completion (tubing) in place
- Faster mobilization to and from the well-site
- Faster rig up and rig down at the well-site
- Faster rig in hole (RIH) and pull out of hole (POOH) speeds
- Flexibility allowing for conventional work-over techniques to be performed without the requirements of a Work-over Rig (Rigless Well Intervention)
- Less personnel, smaller footprint and enhanced safety

CT Services are commonly required for circulating fluids (stimulation treatments or remedial applications) to a specific depth within the wellbore. Other common uses include circulating nitrogen to lift fluids out of the wellbore or to circulate sand out from the wellbore. Other more advanced CT applications include Drilling, Milling, Fishing, Perforating and Logging horizontal wells.

NAPESCO offers modern CT Units that are staffed by experienced field personnel and who are further supported by knowledgeable operations management and engineering staff. From initial job design using industry leading job design software to job execution and post job analysis, NAPESCO has the people, equipment and skills to fully utilize this unique technology.



Nitrogen Services

Nitrogen is an inert gas that has many uses within the oil and gas industry. Basic applications include circulating nitrogen into a wellbore to facilitate flowback of both introduced and formation fluids to surface while minimizing damage to the producing formation. Nitrogen is also used in stimulation treatments to energize the stimulation fluids and in conjunction with certain chemicals it may be used to create a stable foam for selective placement or as a diverting agent of treating fluids into the producing zone.

In cementing operations nitrogen can be used with cement slurry to create an ultra light weight cement (Foamed Cement) for applications in reservoirs with low fracture gradients or significant thief zones.

Nitrogen is commonly used in Industrial Cleaning activities (pipeline purging) to purge air prior to cutting and welding as well as for pressure testing in piping systems.

NAPESCO offers modern Nitrogen Pumping Units that are self contained and highly mobile. These units utilize a cryogenic triplex pump and associated piping together with a non-fired vaporizer system. Liquid nitrogen is fed into the triplex pump and upon displacement is converted from a liquid to gas using recovered waste energy from the power unit and hydraulic system.

Downhole Service Tools

NAPESCO offers a variety of Downhole Service Tools that are used in drilling and workover operations including:

- Tension & Compression Set Retrievable Packers
- External Casing Packers
- Tension & Compression Set Retrievable Bridge Plugs
- Pin Point Injection Acidizing Tools (Straddle Packers)
- Cement Retainers
- Emergency Control Valves
- Perforation Wash Tools
- Tubing Swivels

Filtration Services

Filtration services are frequently required to clean undesirable debris from drilling, workover and completion fluids.

Filtration Units offered by NAPESCO include a primary and secondary filter system whereby larger particles are removed first followed by secondary filtration capable of filtering fluids to a minimum of 2 micron. The actual desired degree of filtration required is first discussed with the client to ensure optimum results.



Technical Services

In addition to the services provided NAPESCO, the Company has entered into strategic partnerships with a select group of Companies which are market leaders in their respective fields. NAPESCO is able to assist these Companies with the introduction of new and established technologies to the Kuwait market through existing infrastructure and service contracts.

In the past NAPESCO has participated in numerous projects that have included initial market analysis, project identification, pre-qualification and technology verification, tender preparation and assistance during contract negotiation. Upon award of contract for services and products, NAPESCO is then well positioned to provide a number of value added services related to project management including:

- Delivery of Products & Services to the Client
- Technical Assistance & Support Services
- Administrative Duties & Logistics
- Work Permits & Residence Visas
- Local Manpower
- Coordination Activities

Seismic Consulting & Interpretation

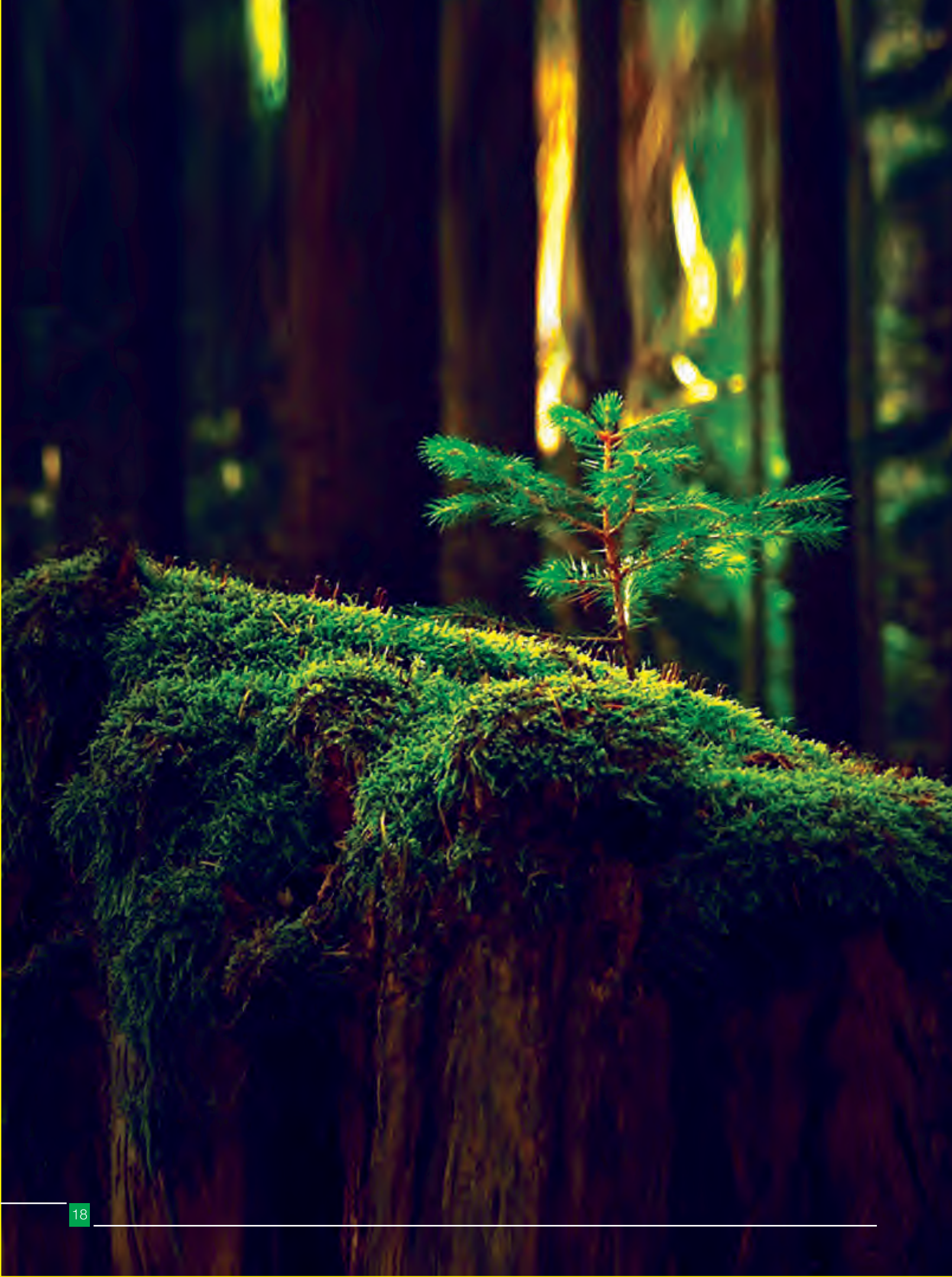
In association with recognized leaders in the area of geosciences, geology and reservoir engineering, NAPESCO offers a full suite of integrated products and services associated in this field.

Reservoir & Production Engineering

Together with leading consulting firms serving the international exploration and production industry, NAPESCO is able to offer comprehensive turn-key solutions in the areas of subsurface consulting, production solutions and knowledge management for all our client's needs.

Upstream Professional Manpower Services

In cooperation with a select group of upstream Engineering & Consulting firms NAPESCO can provide experienced supervisory personnel across a variety of upstream disciplines including Drilling, Completion & Workover, Lease & Road Construction, Pipeline Inspection & Facility Installation and Production Asset Management.



DOWNSTREAM AND ENERGY SERVICES PORTFOLIO

Since modest beginnings in 1993, the company has experienced steady and consistent growth and has significantly expanded upon the services we offer to our clients. Our focus on providing highly reliable, cost effective, value added solutions to our customers has served us well and remains a key component of the NAPESCO competitive advantage.

The Downstream & Energy Services segment of our business includes a number of diversified service activities with HSE Engineering & Consultancy Services being core competencies. These services are supported by a state of the art environmental laboratory, leading technologies in the field of waste management and high caliber professionals including Doctorates, Engineers and Scientists, all of whom are committed to delivering the highest quality of services to our customers.

Services provided by our Downstream & Energy Services Group include:

- Environmental Monitoring & Analytical Laboratory Services
- Environmental Consultancy
- Safety & Risk Consultancy
- Health Consultancy
- Training
- Geo Technical & Material Testing
- Leak Detection & Repairing (LDAR)
- Waste Management
- Fire Suppression Systems & Services
- Halon Management Services
- Design, Engineering & Projects
- Commercial Sales of Industrial Products & Services

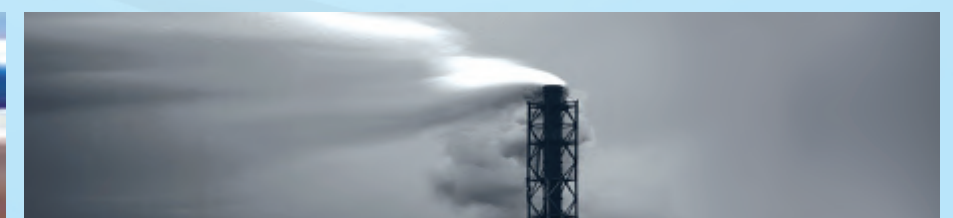


ENVIRONMENTAL MONITORING & ANALYTICAL LABORATORY

With unrivalled technical expertise and data integrity NAPESCO offers world class facilities for Environmental Monitoring and Analytical testing. As the market leader, NAPESCO provides comprehensive and accredited testing services to both public and private sector institutions across the Arabian Gulf region. Operating from a state-of-the-art ISO 17025:2005 accredited environmental laboratory, we are dedicated to delivering the highest quality analytical and monitoring services. The technical team of NAPESCO has valuable experience working on projects related to the chemical, petroleum, marine, transportation and waste management industries.

Environmental Monitoring- A Regulatory Necessity and Social Commitment

Environmental Testing and Environmental Monitoring is required for any Industry for the investigation and resolution of environmental issues as well as for regulatory compliance. Experienced laboratory and field survey teams can investigate the fate and effects of Abiotic and Biotic pollutants in air, water, soil, crude oil and other environmental matrixes. Environmental decisions and compliances are based on sampling and testing data.



Our Services include:

- Ambient Air Quality Monitoring
- Noise Level Monitoring
- Water & Waste Water Quality Testing
- Solid & Hazardous Waste Characterization
- Groundwater Analysis
- Crude Oil Testing
- Source Emission Testing
- Vehicle Emission Testing
- Opacity Measurement
- Heat Stress Studies
- Light Intensity Measurements
- Environmental Modeling
- Green House Gas management
- Odor Control
- Corrosion Monitoring
- Geotechnical & Material Testing Studies
- Industrial Exposure Assessment
- Industrial Hygiene Testing
- Baseline Studies & Data Generation





ENVIRONMENTAL CONSULTANCY

Since 2001 NAPESCO has provided a broad spectrum of environmental consulting services to its clients. Our highly experienced professionals apply their scientific and technical expertise, management skills and in-depth knowledge of environmental laws and regulations to solve today's complex environmental issues.

NAPESCO offers a team of professionals to undertake surveys, consultations, gathering information, data generation, data interpretation, analysis and reporting to aid in the environmental planning related to the development of new projects, expansion of existing projects or as part of environmental compliance.

NAPESCO Offers various environmental consultancy services including:

Environmental Impact Assessment (EIA) Studies

- Pre-application Phase
- Scoping Phase
- Execution EIA phase
- Environment Management Plans

Site Assessment and Due Diligence Studies

- Phase 1 Site Assessment
- Phase 2 Analysis & Reporting

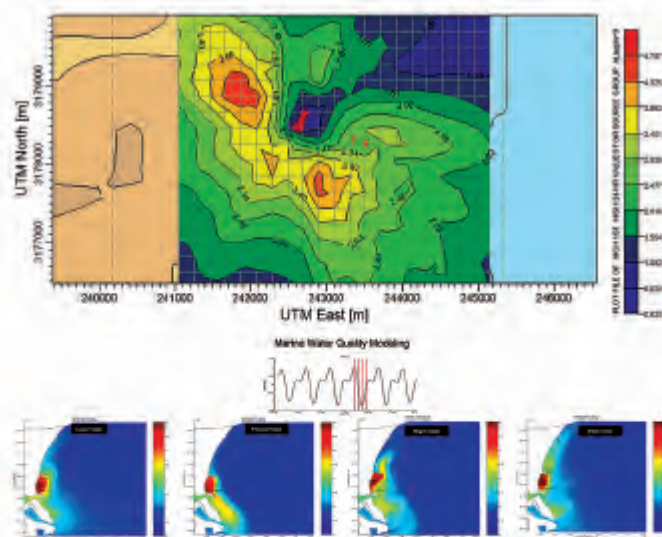
Inspection & Auditing

- Compliant Audit
- Systems Audit
- Transaction Audit
- Liabilities Audit
- Appraisal Audit

Modelling

- Hydrodynamic Modelling
- Air Disersion Modelling
- Noise Modelling
- GIS Mapping
- Ground Water Migration Modelling

NAPESCO has been approved as an 'A' Grade Environmental Consultant (highest Grade) by the Kuwait Environmental Public Authority (KEPA) and authorized to perform various Environmental Consultancy Services and Studies in Kuwait.





SAFETY AND RISK CONSULTANCY

Risk assessment studies represent the first step of the cycle for disaster reduction. These are essential elements for planning measures and taking actions in the event of a catastrophe and for developing an adequate risk management program. Safety & Risk Studies must be updated on a regular basis to incorporate emerging situations, new experiences, investments and scientific and technical discoveries

HAZOP Studies are a part of Risk Assessment and it is one of the most effective and widely used hazard identification techniques.



NAPESCO's Risk Assessment Services includes:

- Comprehensive Safety Audit
- Safety Perception Survey
- Disaster Management Planning
- Risk Management Studies
- Process Risk Assessment
- Risk Analysis Studies
- HAZOP, HAZID, Chazop, LOPA, SIL, PHSER, QRA , PQRA Studies
- Chemical Safety Audit
- Fire Safety Audit / Fire Risk Assessment
- Lightning Protection Consultancy
- Electrical Hazards Consultancy
- Transportation and Logistics Safety

As an approved Safety & Risk Consultancy service provider within the Kuwait energy sector, NAPESCO has executed several Safety & Risk studies and have also have partnered with other international recognized service providers to provide multi disciplinary Safety & Risk Consultancy services.

HEALTH CONSULTANCY

Health and safety at work is an issue affecting all businesses and implementing an occupational health and safety (OHS) system is now a legal requirement in many countries. NAPESCO provides OHS Consultancy services including formulating Health and Safety policies suitable for your individual circumstances.

NAPESCO is well positioned to work with the organizations to address their worker health and safety issues.



NAPESCO's OHS Services includes:

- Facility Audits
- Workplace Hazard Evaluation
- Rapid emergency response measures
- Sampling and analysis to evaluate compliance with OSHA/PEOSHA
- Identification of unknown workplace contaminants & chemical hazards
- Identification of physical, biological and ergonomic hazards
- Investigation of worker discomfort complaints
- Recommendation of appropriate contaminant control practices
- Development or review of worker protection programs
- Personal Exposure Monitoring
- Noise Surveys
- Development of Control Methods
- Hazard Communication
- OSHA/PEOSHA Audits
- Hazardous Materials Management
- Ergonomics Consultancy



GEO TECHNICAL & MATERIAL TESTING

Geo Technical investigations are performed to obtain information on the physical properties of soil and rock in and around a site to design earthworks and foundations for proposed structures.

NAPESCO offers a range of Geo Technical services for near-shore and land based projects. These include:

- Preliminary Site Characterization & Feasibility Studies
- Integrated Geophysical and Geo Technical Site Surveys
- Drilling, Sampling and In-situ Testing
- High Quality Laboratory Testing of Soil & Construction Materials
- Detailed Geo Technical Analysis
- Foundation Engineering and Consultancy Services.
- In-situ tests - SPT, CPT, DCP, CPTu, SCPTu etc.
- Soil Instrumentation and Monitoring
- Laboratory Tests

Atterberg Limits	California Bearing Ratio
Direct Shear Test	Expansion Index Test
Hydraulic Conductivity Test	Odometer Test
Particle-Size Analysis	R-Value Test
Soil Compaction Tests	Standard Proctor & Modified Proctor Test
California Test 216	Soil Suction Tests
Triaxial Shear Tests	Unconfined Compression Test
Water Content Tests	



LEAK DETECTION AND REPAIRING (LDAR)

According to an estimate, up to 25 percent of solvent emissions can be attributed to equipment leaks. Facilities can identify problem releases efficiently by implementing a LDAR program. The International Clean Air Act requires refineries to develop and implement LDAR programs to control fugitive emissions.



Equipment leaks at refineries are responsible for significant amounts of emissions. The intent of equipment leak regulations is to reduce and or eliminate VOC emissions from leaking equipment using a monitoring work practice to find leaks so that they can be fixed. This is achieved by establishing an LDAR program where components requiring monitoring are identified and then monitored at specified intervals to determine whether or not they are leaking. The leaking components must then be repaired or replaced.

NAPESCO offers trained LDAR Engineers & Technicians that are capable of designing and undertaking various LDAR programs such as:

- Targeting & Monitoring of Components by Type
- Leak Definitions (based on concentration)
- Monitoring Frequency (e.g., weekly, monthly, or annually)
- Record Keeping
- Use of EPA Method 21 for the Methodology to Detect Leaks
- Flare Loss and Steam Loss



WASTE MANAGEMENT

Pollution defined as the 'Undesirable Elements in the Environment', affects life and property adversely. Pollution occurs naturally or through manmade sources and exists in the form of Air, Water, Soil, Noise, Hazardous & Radioactive Pollutants. A proper Environment Management Program including Waste Minimization & Management is required as these Pollutants have long lasting effects in the environment.

Waste Management Services offered by NAPESCO include:

- Characterization and Quantification of Solid waste (industrial & hazardous)
- Collection, Inventory & Storage
- Transportation & Disposal
- Recovery, Recycling & Utilization
- Landfill Remediation & Rehabilitation
- Long Term Solid Waste Management Plans
- Industrial Waste Water Treatment

NAPESCO specializes in providing treatment and remediation of hazardous waste occurring from oil sludge pits, effluent pits, drill cuttings and contaminated soil using various techniques including:

- Thermal Desorption
- Oil Recovery & Sludge Treatment
- Bio Remediation
- Rehabilitation

Current Waste Management projects undertaken by NAPESCO (the only national Company doing so) include:

- Oil Recovery and Sludge Treatment under the SEED Project for KOC with GS Engineering and TERI
- Halon Recycling and Reclamation Project for KNPC with HANWA





FIRE SUPPRESSION SYSTEMS & SERVICES

NAPESCO offers specialized Fire Alarm & Fire Protection services including Halon Management Services, Design, EPC and Maintenance Services related to Fire Suppression Systems utilized in the Marine, Industrial and Commercial Sectors.

NAPESCO possess several unique credentials and accomplishments in this field including:

An accredited Service Facility approved by the Kuwait Environment Public Authority, UNEP and KFD for authorized Halon Banking, Recycling and Refilling.

DNV & Lloyds approval as a Service Supplier for Marine Vessels for Fire Alarm, Fire Suppression Services and Breathing Apparatus.

USA Department of Transportation (DOT) Certification for the Testing and Recertification of Fire Fighting and Compressed Gas Cylinders in Kuwait.

Kuwait Oil Company (KOC) approval as a Fire Fighting Systems Maintenance Service Contractor.

Kuwait National Petroleum Company (KNPC) approval as a Consultant, EPC and Maintenance Services provider for Fire Fighting and Extinguishing Systems.

Approved by Kuwait Fire Brigade for EPC and Maintenance Services provider for Fire Fighting and Extinguishing Systems

NAPESCO is involved in the single largest Halon Phase Consultancy Project for KNPC refineries with partner FPC.

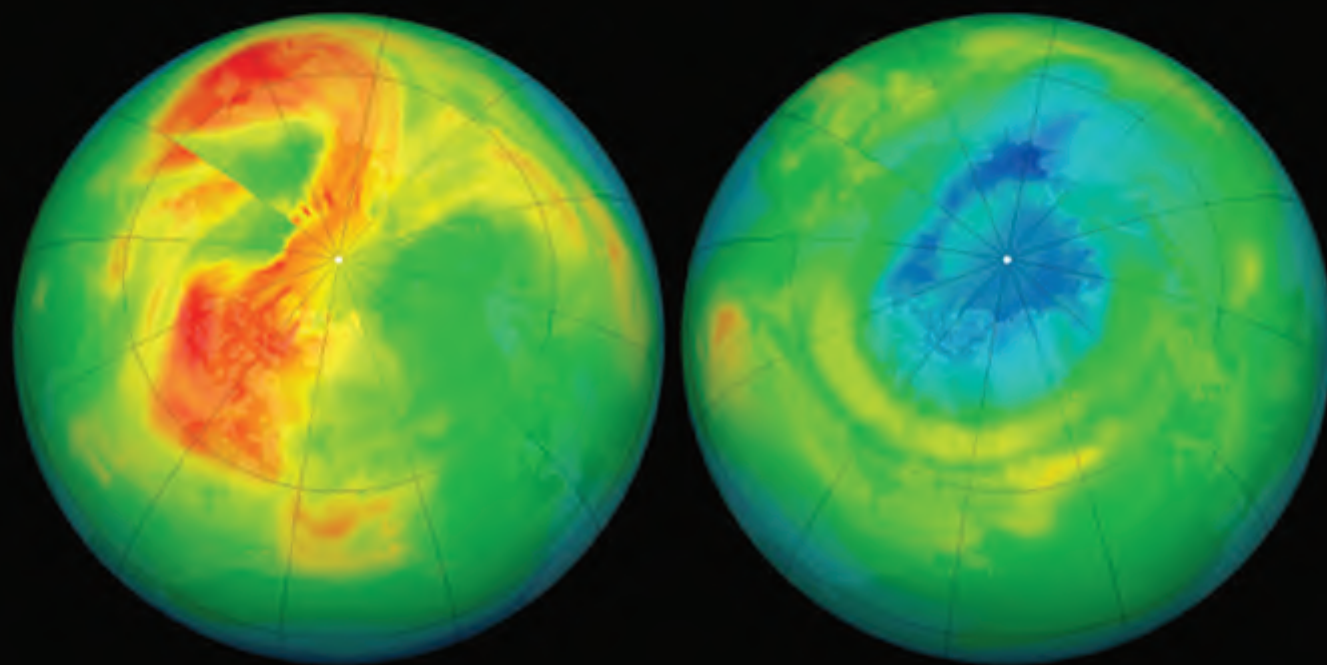
Fire Fighting & Fire Alarm - EPIC Services

NAPESCO EPICM Services include Front End Design, Engineering, Procurement, Installation, Commissioning, Inspection, and Maintenance of Fire Alarm, Gas Detection, Portable, Semi-Fixed and Fixed Fire Extinguishing and Security Systems including :

- Fire & Gas Detection and Alarm System as per NFPA-72
- CO2 Fire Suppression System as per NFPA-12
- Sprinkler System as per NFPA-13
- Foam System and Foam Quality Test as per NFPA-11
- Fire Pumps Performance Test as per NFPA-20
- Fire Water Grid/Hydrant Flow Test as per NFPA-291
- Dry/Wet Chemical Fire Extinguishing Systems as per NFPA-17/17A
- Portable Fire Extinguishers Testing, Servicing and Certification as per NFPA-10
- Hydro-Static Testing and certification of Fixed Fire Systems Cylinders as per DOT-USA
- Safety & Security Systems
- Survey, Assessment and Fire Consultancy

NAPESCO'S Quick Fire Fighting Response Team handles all emergency fire systems maintenance service requirements.

On-call 24 hours a day, 7 days a week, ready to respond.



2010

2011

HALON MANAGEMENT SERVICES

The ozone layer forms a thin shield in the stratosphere, protecting all life on earth from the sun's harmful ultraviolet radiation. Chlorofluoro and bromofluorocarbons are the main cause of the alarming rate of destruction of the ozone layer. Halons 1211, 1301 and 2402, which are fully halogenated chemicals that have relatively long lifetimes in the atmosphere, are broken down in the stratosphere releasing reactive bromine that is extremely damaging to the ozone layer.

The ozone depleting potential of halons is 3-10 times greater than that of CFCs. Depletion of the ozone layer is a major environmental concern both nationally and internationally. In recent years, Kuwait has made significant advances in trying to phase out and manage those substances that contribute to the depletion of the ozone layer. This Strategy outlines Kuwait's commitment to the effective management of our halon stocks until a complete phase out of the use of halon can be achieved. In its dedication to take part in the international drive for environmental protection of the ozone layer, the State of Kuwait has joined the Montreal Protocol (23/11/1992) in the implementation of a HALON Management Program.

NAPESCO is the only approved Halon Management Services (HMS) Company in Kuwait offering various HMS services including,

- Halon recycling, testing & analysis
- Cylinder testing as per US-DOT standards
- Halon transfer, refilling & banking
- Halon system maintenance
- CFCs phase out-study, consultancy & proposal





PROJECTS

NAPESCO offers a wide range of Project Services and Engineering solutions for Oil & Gas, Power Sector and other major industries in the disciplines of HSE, Fire, Waste Management and Specialized Services.

Some of the major ongoing & completed projects of NAPESCO include:

- Coiled Tubing & Cementing Services for KOC
- Coiled Tubing & Cementing Services for JO
- Leak Detection & Repairing Services for KNPC
- HSE Consultancy & Training Services for KOC
- Maintenance of Fire Alarm & Fire Fighting Systems for PIC
- Soil Investigation Services for KOC Services
- Laboratory Monitoring & Testing Services for KNPC
- Halon Phase out Services for KNPC
- Fire System Upgrade Consultancy for KNPC
- Fire System Upgrade Consultancy for JO
- Seismic Data Acquisition & Consultancy for KJO

NAPESCO is an approved EPICM Service provider and is currently expanding its credentials in this field with regard to pursuing major projects within the Kuwait Energy Sector both as an independent services provider and in alliance with international engineering firms.



COMMERCIAL SALES

Since 1993 NAPESCO has engaged in successful commercial trading activities providing exclusive representation, distribution and after sales service activities for a variety of reputable international manufacturers of industrial products and supplies.

Over the years NAPESCO has expanded upon its credentials to offer greater after sales support including installation, commissioning, maintenance and trouble shooting for a variety of industrial products and services. Utilizing a workforce comprised of highly trained and certified professionals, NAPESCO has positioned itself a preferred partner within the Kuwait market for those Companies wishing to supply products and services to the Kuwait energy sector.

NAPESCO has been a leading partner within Kuwait for companies engaged in the sale of:

- Valves & Actuation Systems
(MOVs, GOVs, Gate, Globe, Ball, Butterfly & Check Valves)
- Power Control Systems
(Ni-Cd / VRLA Batteries, Battery Chargers, Solar Systems & UPS packages)
- Process Equipment (2 Phase / 3 Phase Test Separators, Sludge Treatment Systems)
- Early Production Facilities
- Oil Country Tubular Goods (OCTG) & Piping Packages
- Enhanced Oil Recovery (EOR), CO2 Recovery, Steam Generation & Injection Systems





TRAINING

With the approval and certification as issued by the Kuwait Petroleum Company (KPC) NAPESCO utilizes a team of experienced and certified trainers to offer a variety of training programs. These programs may be conducted in English or Arabic and are multi-tiered to target different audiences. These programs include:

- Office Home Safety
- Defensive Driving - Theoretical and Practical through Advanced Simulator
- Dangerous Good Transportation Safety - ADR
- Oil & Gas, Refinery Process
- Behavior Based Safety
- Process Safety Management (PSM)
- Environmental Compliance and Enforcement: Principles
- Environmental Impact Assessment: Principles
- Environmental Policy: Principles
- Hazardous Waste Management
- Hazardous Waste Site Ranking: Principles
- Safety & Risk Assessment
- Risk Management for Hazardous Waste Sites: Principles
- Environmental Analytical Lab Techniques
- Halon Management Services
- Fire System Inspection & Maintenance
- Cementing, Stimulation, Coiled Tubing, Nitrogen & Downhole Tool Services
- Power Controls & Renewable Energy

