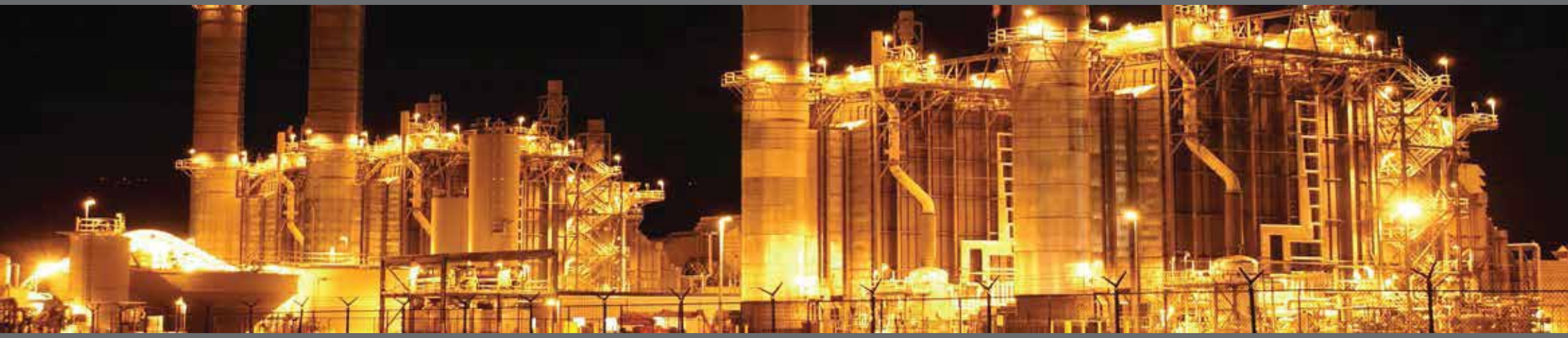
OIL & GAS INDUSTRIES

STRUCTURAL LIFELINE LTD



People • Innovation • Customer Focus

www.structurallifeline.com

# CORPORATE BROCHURE

ISO 9001:2008
BUREAU VERITAS Certification

# INTRODUCTION OF COMPANY

## WHO WE ARE

Structural Life Line is a fully Nigerian owned oil and gas service company. Our primary focus is to employ our specialized, technical expertise and motivate our team of professionals in contributing positively to the Nigerian Petroleum and Energy main industry in particular and West Africa in general. We are a powerhouse of technology, creativity and expertise. We possess unrivaled problem solving proficiency and acumen in the Petroleum industry.

The depth and variety of oil industry knowledge, experience and expertise available within Structural Life Line Services Limited and Principals lends credence to the earlier assertions. The company is led by a team of seasoned oil industry professionals with an excess of 25 years combined hands-on and top management experience in all phases of the upstream oil and gas

industry in Petroleum, Mechanical, Production Engineering and Materials Procurement services backgrounds. This is in addition to a wealth of experience and technology of our affiliates and technical partners.

Structural Life Line aims to be a force and significant player across the entire value chain of the oil & gas industry in Nigeria specifically, and West Africa in general. We are poised to deliver solutions to our client's technical problems and provide project management services as needed. Structural Life Line is one of focused, innovative and entrepreneurial management, which brings effective services to our

customers, through communicative teamwork, combined with efficient business and information technology systems.



We are duly registered with the various regulatory bodies in Nigeria including the Directorate of Petroleum Resources (DPR) and major oil companies operating in Nigeria. Structural Life Line is based in Abuja , Lagos & Port Harcourt -Nigeria with plan to open branches in, Abuja and Warri.

All logistics and supplier contact activities are coordinated from our Abuja office. The Abuja office also serves as a base for easier access to original equipment manufacturers and our technical partners.



## VISION STATEMENT

To develop exceptional values to our clients in the areas of Engineering, Procurement and Project Management with regards to the environment protection, health & safety, utilizing technology and local resources to the maximum thereby enhancing Nigerian Content Development policy.

## MISSION STATEMENT

To develop a dynamic and successful company that provides innovative and quality service delivery in Engeering and Procurement in the Nigeria Oil and Gas Industry.

# SERVICES AT A GLANCE



## INSPECTION SERVICES

Structural Life Line specializes in maintenance inspections performing non destructive testing (NDT) inspection on all down-hole drilling inventory ranging from OCTG & drill pipes, crown to the drill bits. All of Structural Life Line inspectors are trained on the job and certified.



## ROPE ACCESS SERVICES

With industry leading expertise, rope access is an intrinsically safe form of access for working at height or areas that are difficult to reach with traditional forms of access.

Furthermore, the nature of rope access reduces project time, lowering downtime and minimising the impact on ongoing operations.



## SURFACE PROTECTION

Structural Life Line has extensive knowledge and practical experience in the various techniques available for surface preparation and associated protective surface preparation and protective coating application methods to meet required industry quality standards.



## OVERHAUL/INSTALLATION & COMMISSIONING

Structural Life Line. offers the best and most affordable support with our Site Service team available to provide high quality support services as and when required, provide technical support and after-sales services that are in line with our expertise with backup from OEM Partners across the globe.



## PROCESS CONTROL

Structural Life Line specializes in supply and installation of process control instrumentation products and electrical products. We undertake the following in the electrical fields in both the Hazardous and non hazardous environment.



## OFFSHORE/ONSHORE CRANE MAINTENANCE

Structural Life Line supplies crane parts and carry out crane services. Crane parts and services are available for ship cranes, offshore cranes and mobile cranes. Structural Life Line also provide hydraulic repairs for crane pumps and motors as well as crane winch and crane gearbox repairs. Offshore crane sales and marine crane sales also available.



## MARINE SUPPORT/ TANK & VESSEL CLEANING

Structural Life Line has developed a range of technologies and methods using automated and semi-autmated tank cleaning heads, vacum transfer systems and other pumping solutions to clean tanks and vessels either remotely or with minimum man entry.



## PROCUREMENT/ CONTRACTUAL SUPPORT

We are OEM distributor for a variety of world-class oil industry products and equipment and offer post installation after sales service with provision for in country stock holding/inventory for prompt or just-in-time delivery of critical service spares.
We have the reach and means to procure materials from around the globe through a wide supplier/stockists network worldwide.



# **CORE** OFFERINGS

# **INSPECTION** SERVICES

Structural Life Line specializes in maintenance inspections performing non destructive testing (NDT) inspection on all down-hole drilling inventory ranging from OCTG & drill pipes, crown to the drill bits. All Structural Life Line inspectors are API certified.



## INSPECTION SERVICES PROVIDED

- Magnetic Particle Inspection (MPI)
- Dye Penetrant Inspection (DPI)
- Eddy Current Inspection (ECI)
- Ultrasonic Inspection (UT)
- Boro-Scope Inspection
- Radiography
- Hardness Testing
- None distructive Testing (NDT)

## OCTG INSPECTION SERVICES

- Bottom hole assembly inspection (A.P.I. / DS-1)
- Drill Pipe Inspection (A.P.I. / DS-1 / NS-2)
- Riser Inspection (A.P.I.)
- Casing Inspection (A.P.I.)

# ROPE ACCESSSERVICES

Industrial rope access has been developed by IRATA (**Industrial Rope Access Trade Association**) over the last 25 years. The safety and ease of access has elevated rope access to a point where it is the chosen means of access for much of the work in the offshore oil and gas industry as well as a range of projects in construction, civil engineering, and much more.

Structural Life Line success is based on thorough training and strict work guidelines that deliver an unrivalled safe working record year after year.

With industry leading expertise, rope access is an intrinsically safe form of access for working at height or areas that are difficult to reach with traditional forms of access.

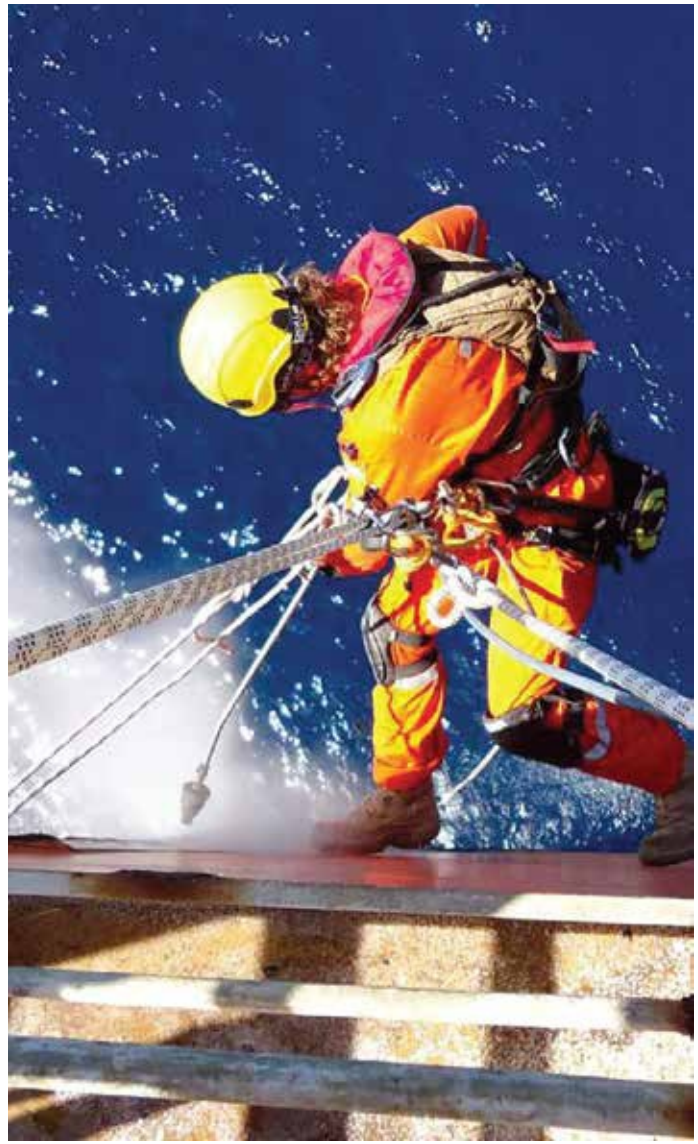
Furthermore, the nature of rope access reduces project time, lowering downtime and minimising the impact on ongoing operations, significantly reducing the cost to clients in comparison to traditional methods.

Rope Access has brought tremendous benefits to our customers. All of our experienced personnel are IRATA qualified, ensuring that work is carried out in a safe, reliable manner.

Our technicians are not only trained in access, but are multi-disciplinary operatives. Services offered can range from mainte nance services such as coatings and insulation, to specialist services such as Non-Destructive Testing (NDT), inspections and plant integrity.

## Our IRATA qualified tradesmen include

- Painters
- Blasters
- Pipe Work Inspectors
- Pipe Fitters
- NDT Technicians and Inspectors
- Welders and Fabricators
- Riggers
- Insulators
- Electricians
- Plumbers
- General Maintenance Engineers



# SURFACE PROTECTIONSERVICES

Structural Life Linepreparation and associated protective surface preparation and protective coating application methods to meet required industry quality standards.

We own an extensive inventory of equipment including semi-automated propriety systems enabling us to undertake surface preparation by means of UHP water jetting (Hydro-blasting), abrasive (wet and dry) blasting and mechanical methods incldуing dust-free and recyclable options. Once prepared, we can apply a range of coating and composites including industrial epoxies, alkyds and urethanes, non-slip helideck and coatings, screeds and tiles, tank and vessel linings and anti fouling coatings by means of conventional spray, airless spray or manual brush roller application as appropriate.integrity.

Our core in-house capabilities and project management skills give us the ability to provide integrated solutions and to deliver turnkey painting programs for our clients as they combat corrosion and maintain their assets integrity.





## Offshore Sureface Protection

Reliability of our surface protection products, performance and services is key to all aspects of our operations. We are confident that we have the specialist technical skills, resources and capabilities to excel in service delivery.

Our capability includes surface protection, passing fire protection, composite wraps and repair technology, technical support, pre-survey work and cost containment.

We have the resource capability to mobilise qualified supervision and inspectors. Our highly skilled labour force consist of leading experts in their fields and are fully conversant in dry and wet blasting offshore techniques and painting offshore also.

## Tank Coating

You can use the best coating/paint products in the world, but if the surface is not prepared properly before the application, premature failure of the coating and deterioration of the substrate metal is inevitable. Our tank Coating Specialists study each project and determine the optimum approach to surface preparation based on site specific conditions such as tank materials, existing corrosion, humidity and other environmental conditions.

# OVERHAUL/INSTALLATION &COMMISSIONING

Structural Life Line offers the best and most affordable support with our Site Service team available to provide high quality support services as and when required, provide technical support and after-sales services that are in line with our expertise with backup from OEM Partners across the globe.

We have proven track record (Installation & Commissioning – Maintenance, Refurbishment, Overhaul) of Fire water pumps, Heat exchanger, Fire heater package system , Onshore & Offshore Quick Connect Disconnect Coupler (QCDC), Quick Release Offshore Hook, ESD Test(of MLA, QCDC, QRH), specific M E&I Test related to these equipments.

We trust that with our comprehensive and high quality range of engineering expertise, we would be able to serve our customers needs and demands.

**Our experts provide a depth of experience in all aspects of onsite services including but not limited to the following:**

- Overhaul of Rotating Equipments
- Installation Services
- Pre- commissioning/Testing of installed plants
- Commissioning & Start-Up assistance
- Equipment Condition & Maintenance Surveys
- Optimization of Plant Efficiency
- Overhaul & Repair
- PLC Control Modifications



# **PROCESS**CONTROL

We specialize in supply and installation of process control instrumentation products and electrical products. We undertake the following in the electrical fields in both the Hazardous and non hazardous environment.

- General refurbishment of electrical installations in production platform and rigs
- Installation of switch gear and controls
- Upstream Process Systems and Process Control & Instrumentation Engineering/Offshore Process Mechanical & Piping Engineering
- Refurbishment flow lines, onshore/offshore process facilities and other rotating equipment electrical or mechanical
- Design of control system packages for your company needs to save your plant downtime and ultimately increasing your production.
- Provision of AutoCAD drawings services for your existing systems and electrical wiring diagram. This will allow you to know shutdown requirements and save time and manpower during maintenance.
- Installation of transformers, distribution and control panels
- Laying of steel conduits and cable trays
- Laying of cables for lighting, switching and controls for Navigation
- Maintenance of same in an existing installation.
- Maintenance of Motor control centres in switch gears
- Installation and Maintenance of 3 phase induction and squirrel cage motors, etc
- Calibration of relays, Solenoids in generators
- Installation and maintenance of Cathodic protection in above-ground and under-ground pipes and vessels using magnesium oxide as sacrificial anodes or other modern technologies in use.
- We provide extensive services in Process control, instrumentation and electrical fields.
- Provision of AutoCAD drawings services for existing systems and electrical wiring diagram. This will allow you to know shutdown requirements and save time and manpower during maintenance.
- Installation and maintenance of differential pressure gauges, temperature and pressure transmitters on delivery and flow lines.
- Installation of instrument and control panels, annunciation panels, etc
- Installation and maintenance of differential pressure gauge pressure and temperature, transmitters, on delivery and flows lines

# **PROCESS**CONTROL

- Recorders, controllers on metering skids
- Fire detection and alarm synchronizing system
- Telemeter equipment, solenoids, relays
- Calibration and recalibration of instruments
- Supply of valves and accessories.
- Corrosion Control Services
- High Pressure (HP) and Ultra High Pressure (UHP) Hydro-blasting
- Corrosion survey and risk assessment
- Corrosion control in Process systems
- Protection coating and relocating
- Plant and tank cleaning
- Pipeline and storage tank maintenance
- High Pressure (HP) and Ultra High Pressure (UHP) Hydro-blasting - Ultra bar 10E UHP
- Offshore Unit



# OFFSHORE & ONSHORE CRANEMAINTENANCE

Structural Life Line supplies crane parts and carry out crane services. Crane parts and service are available for ship cranes, offshore cranes and mobile cranes. Dovewell also provide hydraulic repairs for crane

## SHIP CRANE PARTS & SERVICES

Structural Life Line provides: Ship crane parts, Ship crane Engineers, Hydraulic repairs, Gearbox repairs, Winch repairs, Crane sales and many other ship and marine crane services for:

- Asea cranes
- BLM cranes
- Dongnam cranes
- Fukushima cranes
- Hagglund cranes
- Hatlapa cranes
- Hydralift cranes
- IHI cranes
- KGW cranes
- Liebherr cranes
- LMG cranes
- MacGregor cranes
- Melcal cranes
- Mitsubishi cranes
- NMF cranes
- O&K cranes
- Palfinger cranes
- SCM cranes
- Tsuji cranes

Acta, Aker, Allied Marine, Asea, Bergen, Effer, Heila, Hochang, Huisman, Hydramarin, Kawasaki, Krupp, Marlift, Norlift, North Pacific, Norwinch, Palfinger, Towimor, TTS LMG, TTS Marine, TTS Norlift ship crane parts and Engineers are also available.

## OFFSHORE CRANE PARTS & SERVICES

Structural Life Line provides: Offshore crane parts, Ship crane Engineers, Hydraulic repairs, Gearbox repairs, Winch repairs, Crane sales and many other offshore and pedestal crane services for:

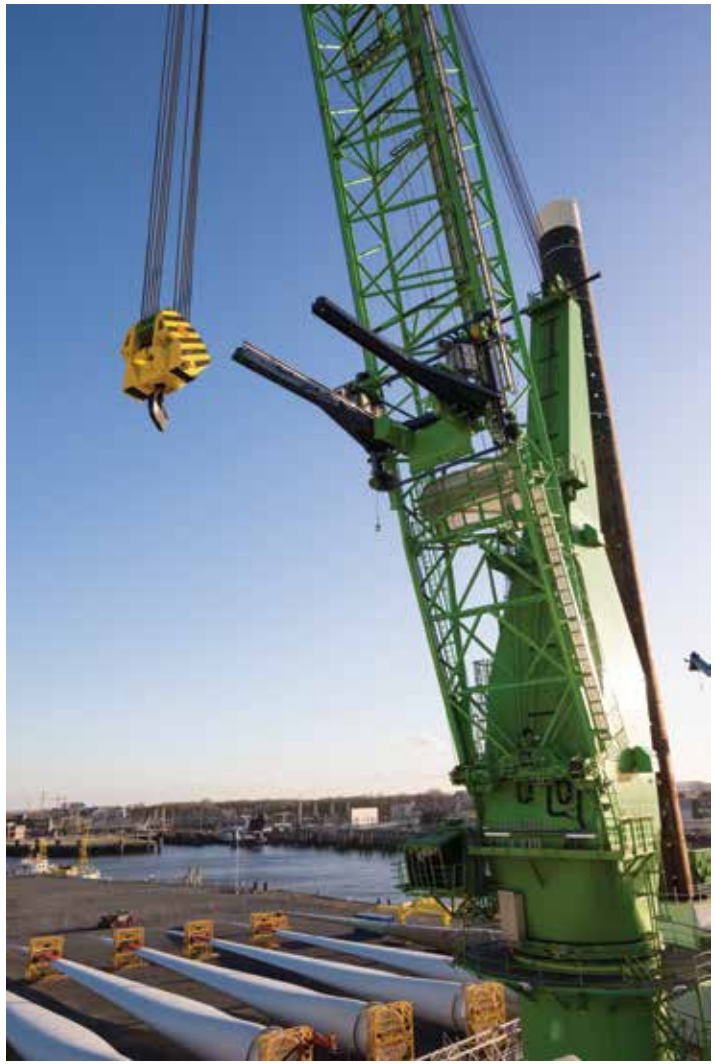
- Amcylde cranes
- BLM cranes
- Bucyrus Erie cranes
- Favelle Favco cranes
- Fukushima cranes
- Hydralift cranes
- Italgru cranes
- Kenz cranes
- Liebherr cranes
- Link Belt cranes
- Manitex cranes
- Mape cranes
- Melcal cranes
- SCM cranes

Acta, Aker, American Aero, American Hoist, Ateinsa, BMC, Dreco, Dreggen, Effer, Hercules, Houston Systems, Le Tourneau, National, Nautilus, Nor Mar, Norlift, NOV, OS, Patriot, Peregrini, Seahorse, Seaking, Seatrax, Titan, Weatherford, Wolffkran and Unit Mariner offshore crane parts and Engineers are also available.

## MOBILE CRANE PARTS & SERVICES

Mobile crane parts for many types of mobile cranes and crawler cranes. Crane parts shipped worldwide. Crane types available include;

- American Hoist cranes
- Bantam cranes
- Bendini cranes
- Bucyrus Erie cranes
- Coles cranes
- Demag cranes
- Drott cranes
- Galion cranes
- Grove cranes
- Heila cranes
- Hyco cranes
- Hydrocon cranes
- Kato cranes
- Kobelco cranes
- Koehring cranes
- Krupp cranes
- LBS cranes
- Liebherr crawler cranes
- Lima cranes
- Link Belt cranes (exl. USA, Canada & UK) National cranes
- Lorain cranes
- Manitowoc cranes
- Mitsubishi cranes
- NCK cranes
- Northwest cranes
- P&H cranes
- Pettibone cranes
- PPM cranes
- Ruston Bucyrus cranes
- Terex cranes
- Unic cranes
- Yard Boss cranes



# MARINE SUPPORT/TANK & VESSEL CLEANING



In today's safety conscious work place, the preferred option is of no-man entry into a confined space; accordingly Structural Life Line has developed a range of technologies and methods using tank cleaning heads, vacuum transfer systems and other pumping solutions to clean tanks and vessels either remotely or with minimum man entry.

## Fully Trained, Skilled Workforce

At Structural Life Lineour depth of knowledge in confined space and tank and vessel cleaning remains unsurpassed. We have a permanent workforce, fully trained and skilled in the safe working practices associated with confined space and tank and vesel cleaning. Technical support is provided by our experienced management team.

## Tank Cleaning Heads

The use of specialist tank cleaning heads provide a remote cleaning solution allow for tanks and vessels to be cleaned with minimal requirement for man entry. We have a range of specialist cleaning heads which can be configured to meet the entry points of the tank / vessel.

## Vacuum Transfer Systems and Pumping Solutions

For all confined space and tank and vessel cleaning the preferred solution would of course be one of no-man entry. For this purpose, our range of vacuum transfer systems and pumping solutions can be engineered / configured to meet the specific scope of work and specific gravity of material requiring removal thus ensuring optimum performance is achieved.

In the event of a man-entry requirement, our highly trained workforce specialises in all aspects of confined space entry and rescue. Equipped with an extensive range of breathing apparatus and gas monitoring equipment along with water-tight procedures and safe systems of work, ensure that our clients' confined space working requirements are safely and efficiently carried out.

# PROCUREMENT & CONTRACTUAL SUPPORT

**We are original equipment manufacturers' distributor for a variety of world-class oil industry products and equipment and offer post installation after sales service with provision for in country stock holding/inventory for prompt or just-intime delivery of critical service spares. We have the reach and means to procure materials from around the globe through a wide supplier/stockists network world wide.**

**Structural Life Line is a major supplier of welded & seamless OCTG – casing & tubing of all sizes, drill pipes of all sizes, seamless pipes and SAW welded pipes of different sized. Our mills are ISO9001 listed and have American Petroleum Institute (API 5L and API5CT) accreditation.**

**The quality assurance program employed is supported by superbly equiped laboratories and sophisticated equipment, which is used for the inspection and testing of materials, welding processes, dimensions, and quality of coatings and linings.**

## Oil Spill Response:

- Incident Response, Management & Clean-up
- Establishment & Management of Oil Spill Response Centres & Teams
- Equipment Rental
- Response Exercise Design, Delivery & Evaluation
- Plan Development, Review & Management
- Gap Analysis & Preparedness Audits
- Risk Assessment & Facility Inspection
- Associated Waste Handling, Transportation & Disposal

NOTE

Structural Life Line do this through a global network of reputa ble buying houses and original equipment manufacturers - OEMs – with whom we have strategic alliances incorporating our well developed supply chain process.



# PRODUCTS
## OUTLINE

# VALVES

We offer procurement management of valves and actuatior that is technically based with design engineers, production engineers, valve technologists, and QA/QC personnel. Quality, safety, and customer service remain the highest priority to us. We monitor our manufacturers and suppliers to ensure they meet these same high standards, not only for Structural Life Line, but also for our customers.

We would be proud to earn your business and become partners in the industry. Allow us the opportunity to serve you. You will experience first class service along with best in class products. .






**Structural Life Line is positioned as a major supplier of all types of valves for all major projects procurement needs covering:**

- Floating Ball Valves
- Compact Ball Valves
- Split Body Side Entry Ball Valves
- Welded Body Side Entry
- Top Entry Valves
- Subsea Ball Valves
- Subsea Actuators
- 3Way Ball Valves
- Crygenic Ball Valves
- Gate Valves
- SDV Valves
- Check Valves
- Globe Valves
- Butterfly Valves
- Custom Made Valves
- Needle Valves
- Double Block Bleed Valves
- Manifold Valves

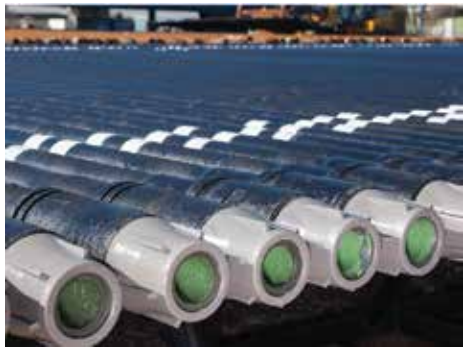
## NOTE

We do this through a global network of reputable buying houses and original equipment manufacturers OEMs with whom we have strategic alliances incorporating our well developed supply chain process.

# OCTG, SEAMLESS LINE PIPES &DRILLING EQUIP

- Carbon steels/Carbon-Manganese (ASTM A206) Low temperature carbon steel (ASTM A33
- Alloy steels (ASTM A335)
- Stainless steels (ASTM A312) Line pipes (API 5L
- High yield line pipes for sour/non-sour applications (API 5L)
- Welded Pipes (ERW, HFI, EFW,DSAW)
- Carbon steels/Carbon-Manganese (ASTM A672) Low temperature carbon steels (ASTM A671)
- Alloy steels (ASTM A691)
- Stainless steels (ASTM A213/A358)
- Line pipes (API 5L)
- High yield line pipes for sour/non-sour applications (API 5L) Structural Steels
- Seamless and welded tubular
- Cans & Plates
- Shaped plates with prepared edges
- Sections
- Wide flange beams
- Complete piles
- Pile sleeves
- Conductor Pipes
- Prefabricated components







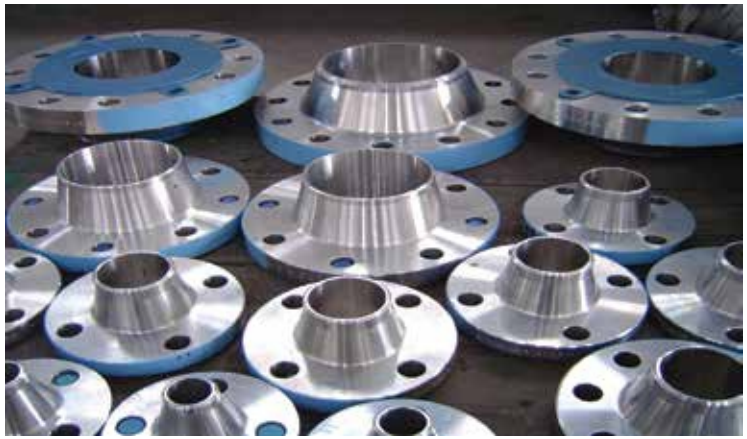
## NOTE

We supply carbon steel and stainless steel pipes and tubular to all international Standards such as ASTM, ASME, API, EN and DIN. Please find above an overview of materials that can be supplied in ASTM grades (for reference only). Equivalent DIN and other international grades can also be supplied.

# FITTINGS/FLANGES

Structural Life Line provides different sizes of flanges/fittings from 1/2″ to 60″, ANSI classes 150lbs to 2500lbs API6D & API6A and API 2000 to API 20000 in Carbon Steel, Stainless Steel, Duplex Steel, Super Duplex Steel, Alloy Steel, Incoloy-Monel, Titanium etc.

- Butt-weld Elbows, Tees, Reducers, Caps to ASME B16.9 and 16.28
- Forged Fittings to ASME B16.11
- Weld Neck, Long Weld Neck, Socket Weld, Blind, Slip On, Orifice Flanges in all pressure ratings, with Raised Face,
- Flat Face or Ring Type Joint as required to ASME B16.5 & 16.47
- Specifications: ASTM, BS, NF, EN/DIN and special customer requirements
- Materials: Carbon/Low temperature, Alloy, Stainless, Copper-nickel alloys
- Manufacturing process: Forged, Wrought, Welded, and Fabricated. We provide Equipment & Material specification for various materials needed for projects and will provide the necessary processes to support contracts formulation and vendor selection.







# INSTRUMENTATION & FLOW CONTROL PRODUCTS

- We provide extensive services in Process control, instrumentation and electrical fields
- Provision of AutoCAD drawings services for existing systems and electrical wiring diagram.
- This will allow you to know shutdown requirements and save time and manpower during maintenance.
- Installation and maintenance of differential pressure gauges, temperature and pressure transmitters on delivery and flow lines.
- Installation of instrument and control panels, enunciators panels, etc
- Installation and maintenance of differential pressure gauge pressure and temperature, transmitters, on delivery and flows lines
- Recorders, controllers on metering skids
- Fire detection and alarm synchronizing system
- Telemeter equipment, solenoids, relays
- Calibration and recalibration of instruments







# ROTATING EQUIPMENT (Pumps & Compressors)

Structural Life Line is in the business of procuring, marketing and servicing pumps of quality brand names. The company's product line includes: Single stage liquid ring vacuum pumps, Two-stage liquid ring vacuum pumps, Liquid ring compressors, Rotary vane vacuum pumps, single stage centrifugal pumps, multi-stage centrifugal pumps, multistage self-priming pumps, full engineered vacuum systems and compressors.

- Fire water pumps
- High Pressure Reciprocating Pumps
- High-speed centrifugal pumps
- Dosing pumps
- High-speed compressors



## NOTE

Our rotating equipment serves worldwide hydrocarbon and chemical processing, pulp and paper, power generation, and the food and beverage markets. Aftermarket services include spare parts, overhaul, repair as well as engineering and commissioning of rotating equipment and technical support.







# WELLHEAD CHRISTMAS TREE/ACCESSORIES



- Sps electrical wellhead penetrator system and all related Components.
- Grease for valve
- Wellhead equipment
- Christmas tree valve
- Blow out preventer
- Choke manifolds
- Drill Pipe, Drill Collar
- Tubing and casing
- Drill Bits & Drilling Equipments
- Oil Spill Containment Products - Booms, Skimmers & Sorbents etc

