



Energie  
Industrie & Anlagenbau  
Wasser & Umwelt  
Verkehr & Infrastruktur  
IT & Telekommunikation

Omega-wgo e.K.

## Omega WGO Oil & Gas Equipment, Supply and Services Package



*Oilfield Service*  
*Oilfield Equipment*  
*Oilfield Supply*  
*Industrial, Refinery*  
*Petroleum*  
*Equipment-Supply*

## Check Valves and Pressure-Control Valves

Actuation , Angle Seat Valves , Angle Valves, API 6A & 6D Gate Valves , Ball Diaphragm Valves, Ball Valves for all Applications, Bleed Valves Butterfly Float Valves, Butterfly Valves, Check Valves Choke Valves, Control Valves Diaphragm, Valves Distribution Manifolds, Double Block Valves Double Sealing, Actuated Valve Drain Valves, Dual Plate Check Valves, Externally Pressure Controlled Foot Valve , Force Pilot Operated Valve Gas and Air Valves, Gate Valves, Globe Valves, High Integrity Globe Instrumentation , Safety & Environmental

Sampling Slurry High Pressure Valves High Temperature Valves Instrument Control Valves Isolation Valves Knife Gate Valves  
Manifold and Gauge Valve Modular Valves Mono Flange Valves Motorized Valves Multi Valve Manifolds Needle and Plug Valve Needle Valves Pinch Valves Piston Check Valves Plug Valves Pneumatic Actuator Pressure Reducing Pressure Regulating Valve Pressure Seal Valves Relief Valves  
Safety Valves Solenoid Valves Storm Valves Sub-Sea Valves Wedge plug Valves

## Actuation

Actuator Accessories Automation Accessories Electric Actuators Linear Electric Actuators Rotary Geared Actuators Hydraulic Actuators  
Rotary Mechanical Actuators Linear Mechanical Actuators Rotary Pneumatic Actuators  
Rotary Servo Actuators Electric Limit Switches Limit Switches Lock Switches Motor Operators Pneumatic Actuators Position Indicators Petitioners  
Solenoids and Switches Valves

## standards

API, ANSI, DIN, BS, GOST and other international standards

Material

Cast Iron, Cast Steel, Forged Steel, Stainless Steel, Brass, Bronze, Malleable Iron & Ductile Iron, Aluminum Special & Exotic Alloys, etc

**Contact & rely on us for complete oil field services, oilfield equipment & oilfield supply**

## Hoses Package

Composite Hose Flexible Metal Hose Hydraulic Hose Pneumatic Hose Rotary Hose

**Omega WGO** regularly supply a wide range of Pump products and parts (ANSI and ISO) to the Oil & Gas projects, refineries, petrochemical plants and marine application.

## Pump Parts & Accessories Package

Centrifugal Pumps Commercial Pumps Diaphragm Pumps Dispensing Pumps Down Well Pump Down hole sucker rod

Pumps Duplex Pumps Fluid Power Pumps High Pressure Pumps Industrial Pumps, • Submersible Pumps• Measuring Pumps Mud Pumps Oil Well and Oilfield Pumps Pump Parts and Accessories Quintuple Pumps Reciprocating Pumps Rotary Pumps Submersible Pumps Triplex Pumps Vacuum Pumps Vertical Turbine Pumps Accessories Package Access **Doors Alarms** Basket Strainers Check Valves Communications **Connectors Control** Panels Deep Well Packer Adapter Electrical Control Electrical Enclosure Extension Lea Filtration Devices Fittings Gas Ballast Adaptors Gauges Gear Reducer Inlet and Exhaust **Filters Inlet** and Exhaust Traps Junction Boxes Leak Detectors

## OCTG SUPPLY

### Seamless and ERD

Casings Specification API 5CT Grades K55, N80, L80, C95, P110, Chrome, J55(Modified), J55 (API), PS80 Special Grades For sour services and for deep well with high collapse properties Dimensions OD 4" - 26" WT - 0.2 -0.5" Length range 1, 2 or 3 Thread connections API (STC and LTC), BTC, extreme line, VAM premium connections, integral connections, integral metal seal connections, threaded and coupled connections and integral thread seal connections,

### Seamless and ERD Tubing

**Specification** API 5CT Grades J55 (API) J55(Modified), N80, L80, L80 13Cr, P110, Q125, H40 (API) Thread connections API 5B - Last Edition or Premium, VAM Premium, EUE, NUE, special seal, metal-to-metal seal and VAGT Specialty Grades Chrome and high performance grades Length range 1, 2 or 3

Dimensions OD 1.9 - 4.5" WT 0.19 - 0.27"

## **Drill Pipe & Production pipe**

**Specification** API 5D and other Specifications   **Dimensions** OD 2 3/8" - 6 5/8"   **Length** up to 15' (4.57M)

**Raiser** Production, work over and drilling riser   **Dimensions** OD up to 26" er

## **- Drill Stem products, Collars and Pup Joints**

**Production pipe   Structural Pipe**

Production Casing   Production Rods   Production Tubing   Structural Tubing   Structural Rods

## **OCTG ACCESSORIES**

Christmas-Trees   Collars   Crossovers   Drill Bits   Drill Collars   HDD Rods   Heavy Weight Drill Pipe   Lifting Subs.   Torques Packers   Pony Drill Collars   Pup Joints   Spiral Drill Collars   Valves   Wellheads

## **Pipe Fitting & Flanges**

### **Forged Fitting**

ASTM A-105   ASTM A-182   F-304, F304L, F-316, F-316L   150#, 300#, 2000#, 3000#, 6000#   Various OD & WT

### **Weld Fitting**

A-234 WPB   Carbon Steel   NACE A-403   WPS, WP, WPX   304L, 316L   A-774   304L, 316L   Socket weld Fittings for high pressure systems

Threaded Fittings

High quality fittings made of premium tube and bar material for high pressure system

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### Strainers .Y- type, Tee, Basket, Cone, Flat, etc.

### Sealing Products. Fasteners, Bolts, Studs and Gaskets

Anchor Fastener Expansion Fastener Expansion Anchor Fasteners Expansion Anchor Bolts Expansion Anchor Bolt Machine Hex Head Bolts Machine Studs • Standard and Metric Gaskets, Neoprene, Spiral Wound RTJ Thru Bolts SS Anchor Bolts Eye & Hook Anchors Bolts

### Pipes & Tubes

**Specification** API 5L (API5L) , **ASTM**, A106 Grade A or **Grade** B and other specifications **Grades** X42 - X80 **Dimensions** OD - 1/8" - 120"

### SMLS Seamless Line Pipe

**Specification** API 5L (API5L) , **API** 5A, PSL1, PSL2, **ASTM** A106, **ASTM** A53 **Dimensions** OD to 28", **WT** to 4" **Grades** X42 - X80 **Standards** API, ASTM, DIN, ISO, NFA, EN, EEMUA, DNV, GOST and for specific project requirement according to required specifications

### Welded ERW Pipe

Spiral or Longitudinal - Continuous Weld, SAW and DSAW, HFI, CDW, EFW Available in a wide range of specification, Class, Grade, OD and Wall Thickness ERW Pipe custom steel in specs API 5L (API5L) , ASTM, AWWA, ASME, and API 5L through X 70 in various sizes

### Tubular Products

Tubular products that we supply include a wide range of high quality seamless tubes (SMLS) and welded tubes (ERW), fittings and flanges mainly to Oil & Gas exploration, petrochemical, power projects, etc.

Contact & rely on us for complete oil field services, oilfield equipment &

## Drilling

### Drilling Fluids, Polymers, Viscosifier, Esters, Mud Chemicals

- Demulsifiers (oil and water soluble) , Corrosion Inhibitors , Acid Inhibitors, Surfactants Detergents, Surfactants Defamers

### Oil Field Speciality Chemicals

**Demulsifiers** Desalting crude oil demulsifiers based on resins in non-inflammable media. **Corrosion Inhibitors** For the protection of refining equipments and overhead column and for refinery processing equipments. **Slop Oil Demulsifiers** To break, even toughest solid-laden aged slop or residual oil emulsions. **Organic Neutralizers** For smooth uniform and complete pH control. **Flocculants** Coagulants and in-line flocculants for raw inlet or oil water classification slop oil recovery etc. **Oxygen Scavenger** For the oil well protection process. **Brine Corrosion Inhibitor** For wet crude surface systems water wells flooding and dispersal system.

### Drilling Fluids

**Drilling, Completion and Workover Fluids** We supply specific fluid systems according to client's specific requirements. **Synthetic drilling fluids, High Performance drill-in fluids** These systems are used to inhibit shale swelling and prevent hydrate formation.

**Completion Fluids** Specialty Products, Wellbore Clean-Up and Fluid Design **Plastics and Composites Ester-Based Drilling Fluids** -- We supply esters produced on the basis of renewable natural resources and other additives for the formulation of drilling fluids, as well as production chemicals for oil and gas exploration.

### Muds

Drilling Fluid Additives , Cement Additives , Lignite Based Products, Other Specialty Surfactants . Sulphonated Asphalt ,Guar Gum Based Viscosifier

### Oil field Drilling Equipment

Drilling Machinery, Equipment, Tools and Accessories

**Omega WGO** specializes in the supply of a range of premium quality drilling Equipment, components and accessories. We supply technically advanced API Equipment for overall drilling efficiency for demanding oil and gas applications in a full range of sizes and types. Our supply of finest drilling equipment is for excellent drilling, long run life and for optimum combination of drilling efficiency and durability.

## **Onshore Drilling Rigs**

Transportable by Air , Desert Wheeled, Rough Terrain , Work Over

## **Onshore Drilling and Workover Operations**

Onshore drilling operations are similar to those of offshore operations. **We** provide complete package for uninterrupted drilling and workover operations.

## **Complete Rig Products**

New land rigs **800 HP - 3000 HP** , Like New Value Rigs, cost effective rigs built using remanufactured draw works, rotary, and mud pumps with new power, control, and mud systems for performance of a new rig at a substantial saving. Modernization of Mechanical and Electrical Rig Fleets Rig Automation and Controls , Modular AC and DC Draw works, Rack and Pinion Rigs- push/pull rigs using the latest in drilling rig technology.

## **Power and Control Products**

Engine and Generators , SCR Control Systems ,AC Variable Frequency Drive Systems. Auto Driller ,Mud monitoring systems Drilling & Monitoring Systems

## **Services**

Remanufacturing: draw works, mud pumps, rotary, etc. Repowering with new engines and controls Mechanical to electric conversion DC SCR to AC VFD conversion

## **Offshore Oil Field Drilling Rigs**

Semi-Submersible ,Floating Production , Drill Ship , Jack-Up , Storage Units , Work Over Rigs

Offshore Drilling Rigs, Components and Accessories

Floating Production ,Offshore Exploration ,Offshore Platform ,Offshore Production ,Offshore Rig , Offshore Technology ,Oil Platform ,Oil Rig

## **Rigs Equipment**

Drawworks,Masts and Derricks, Substructure, Mud Pumps, Drive Systems ,Rotating & Traveling Equipment , Instrumentation, Mud Solids Control, Blowout Preventers, Well Control Equipment , Drill String, Handling Tools, Auxili

## Equipment & Instrumentation Package

### Automation

**Omega WGO** supplies to the oil and gas production and processing industries, Petrochemical industries that require the automation systems, software and services to run operations productively. We deliver complete electrical and automation systems to the oil & gas and petrochemical projects.

### Project Support and Services Package .

**Omega wgo** also supplies for drilling and exploration projects with a wide range of office, camp, electrical and electronics equipment. We have experience, knowledge and capability to supply the required brand equipment for the best price and delivery. Synergy also offers OEM equipment and appliance replacement parts for Cooking, Recreation, Heating, Cooling etc for the Oil & Gas projects. We offer a variety of products and practically all major brands from Japan, South Korea, EU Countries and USA.

## Oil & Gas Pipeline Products Package

Butterfly Valve, Cast Forged Machined Part, Stamping Part, Casting Material, Sand Casting Part, Manhole Cover, Casting Part, Casting Part, Pipeline Compressors Types RV and RM, centrifugal Compressors, Gas Turbine Compressors, Cups & Cup Pigs, ROPLAST Easy Clean, Electronic Tool Detector (EPD), Tool Location Transmitter, Pipeline Data Logger (PDL), Temperature Data Logger, Tape & Joint Coatings, Epoxy Coatings, Mastic, Flexicast Pigs, Dula Tools, Weld Testers, Pipeline Paintings Products etc



## Refinery and Petrochemical

### Heat Exchnagers

We offer a wide range of heat exchangers and associated products including corrugated tube, shell and tube, scraped surface and plate units.

### Industrial for a wide range of processes

Petrochemical plants, Oil refineries ,Desalination plants

### Pressure Vessels | Boilers | Heaters | Cooling Towers

**Omega WGO** supplies industrial process plant equipments such as process heat exchanger, air cooling and air heating finned tube heat exchangers, air cooled heat exchangers, coded vessels and columns for Pressure Vessels, Boilers, Cooling Towers for power projects, refineries, petrochemicals projects.

### Petrochemical Refinery Equipment

**Major Refinery Equipment.** - Pressure vessels ,Heat exchangers , Fired heaters ,Storage tanks , Piping system

### Pressure relivering System-

Pressure-Relieving Devices, Pressure- Relieving and Depressuring Systems, Flanged Steel Pressure Relief Valves, Pressure Relief Valves,Venting Atmospheric and Low-Pressure Storage Tanks: Nonrefrigerated and Refrigerated

### Mechanical Equipment

Centrifugal Pumps for Petroleum and Gas Industries, General Purpose Steam Turbines, Special Purpose Steam Turbines, Special Purpose Gear Units, Lubrication, Shaft-Sealing, and Control-Oil Systems, Gas Turbines,Axial, Centrifugal Compressors and Expander-compressors, Reciprocating Compressors, Rotary-Type Positive Displacement Compressors,Vibration, Axial-Position, and Bearing-Temperature Monitoring Systems, Special Purpose Couplings, Packaged, Integrally Geared Centrifugal Air Compressors, Special Purpose Fans, Positive Displacement Pumps - Reciprocating / Controlled Volume / Rotar, General-purpose GUnits  
■Shaft Sealing

## Electrical Equipment

Form-wound Squirrel-cage Induction Motors

## Petrochemical Plant Equipment

Storage Tanks, Pressure vessel, Heat exchangers , Fired heaters and boiler, Refrigeration Systems , Compression Equipment

We also supply equipment for the petrochemical Industry with the following

Columns ; Compensators; Feed Water Exchangers ; Feed Water Tanks ; Heat Exchangers ; Heaters ; Piping ;Pressure Vessels ; Reactors

- Scrubbers ; Flakers Smoke Ducts ; Smoke Washers , Steam Drums , Storage Tanks , Tubular Reactors, Reactors with Agitators , Post-Processors , Switch Condensers , Intercoolers , Stripping Columns , Separating Columns , Vessels , Other welded, construction parts

## Separators and Filters

**Filter Separator.** Offline filter separator units

## Separators and Separation Equipment

- Boilers ,Double Phase, Fiberglass Tanks ,Heater Treaters ,Metal Tanks ,Single Phase , Treaters , Triple Phase

## Compressors and Turbines

**Compressors,** • Single, two-stage compressor Air, water, oil cooling compressors , Motor, engine, steam drive compressors ,Oil, oil-free lubrication compressors , Packaged or custom-built compressors

**Gas, Steam and Synchronous Turbines;** Diesel Turbines ; Steam Turbines , Natural Gas Turbines, Dual Fuel Turbines

## Mechanical Eletrical Supplies

### Industrial Diesel Engine Parts

After-Coolers , Alternators ,Bell Housings , Crankshafts, Cylinder Heads, Engine Blocks, Flywheels , Front Timing Covers , Fuel Pumps  
Oil Pans, Starters Turbochargers , Water Pumps

### Transformers and Generators

We supply a wide range of distribution, power, dry type, cast resin and traction transformers, along with flameproof transformers and switchgear.

#### Power and Distribution Transformers

Power transformers ranging from 3000kVA to 100 MVA and voltage classes up to 230 KV for liquid filled transformers and 3000 kVA to 15MVA for cast resin transformers. Distribution transformers range from 200kVA to 3000kVA, both liquid filled or dry types available

### Generators

We offer various types of electric Generators- gasoline, natural gas, and diesel powered electric generator sets

### Power Equipment

AC Units , High-end Power Generator Power Conditioning Equipment • Power Conversion products , Circuit Breakers , Switchboards, Switchgear and Panelboards Other Products, Power Distribution Units , Uninterruptible Power Supplies , Other Power Equipment

### Lighting and Electrical Products

**Omega WGO** supplies a wide range of electrical Equipment and Products. We supply quality lighting products for hazardous and difficult environments such as lighting fixtures both interior and exterior for all offshore rigs, platforms and land rig applications. Our regular supplies include various types of electrical, telecom, control instrumentation, thermocouple cables and generally all kinds of electrical switchgear, hard ware etc.

## **Welding and Cutting Equipment**

**Omega WGO** offers a wide selection of Welding Equipment. We provide Welding Equipment as well as tube-to-tubesheet welding equipment and weld overlay applications.

## **Corrosion Protection Supplies & Services**

### **CP Products**

Omega Supplies TRANSFORMER RECTIFIERS, ANODE, CATHODE AND BOND BOXES, REFINE REFERENCE ELECTRODES AND COUPONS, MIXED METAL OXIDE ANODES, SILICON IRON ANODES, CABLE AND CABLE ACCESSORIES, ISOLATION FLANGE KITS AND ISOLATION JOINTS, GALVANIC ANODES, GROUNDBED ACCESSORIES, TEST AND SURVEY EQUIPMENT

### **Coating Products**

Coatings for Driven Piles, Coatings for Flow Lines, Coatings for Insulation, Coatings for Rebar, Coatings for Tubing and Casing, Concrete & Metal Structure Coatings, Storage Tank External Coatings, External Pipe Coatings, Internal Pipe Coatings

## **. Industrial, Oilfield Safety Equipment**

**Omega WGO** supplies a wide range of personal safety and fire protection equipment and parts,

Escape Systems for the Offshore Industry , Explosion Proof Alarm, Signal, Control and Communications Equipment, Explosion Proof Alarms and Beacons, Marine and Industrial Signalling, Fall Protection, Head Protection and Body Protection Equipment ,Fire and Explosion Proof Doors for Offshore Platforms and Ships, Life Saving Equipment and General Maritime Equipment, Lifeboats, Rescue and Freefall Boats ,Lifeboats, Rescue Boats and Davits , Life-Saving Equipment for Marine Protection Personal, Fall Protection Equipment ,Solutions and Techniques for Work-At-Height and Difficult-Access Rescue ,Survival Suits, Re-Breather Systems and Other Survival Products ,Technical Safety Equipment for Hazardous Working Environments , Worker Safety Solutions and Personal Protective Equipment