

Introduction

AL HANA OIL FIELD & EQUIPMENT TRADING is having specialization in supply of Electrical, Instrumentation, Mechanical, Drilling & Safety Equipments to Oil & Gas Companies, Water Treatment Plants, Aluminum Smelters, Steel Plants and Power Generating Companies.

Our Strength

- ▶ Project based approach for customized package supplies.
- ▶ Competent in handling documentation requirement starting from material submittal, approval, inspection, test plan & vendor data registration
- ▶ Have technical proficiency in understanding material requisition, drawings and specifications. We offer timely & cost effective solutions for proposed product range.

Our Mission

- ▶ To serve the Oil & Gas industries with the highest possible standards. We want to be with the top 10 business in the gulf region deal with the products required by the Oil & Gas industry.

Our Objectives

- ▶ To help our partners establish and grow with market and achieve their most ambitious marketing goals.
- ▶ To provide our clients with high-quality products and services competitive prices and best reliability.

Cables

Standard: IEC, IEEE & BS, Temp Range: 70 Deg C, 90 Deg C, 105 Deg C, Voltage: Upto 45 KV, Flame Retardant, UV Resistant, Fire Resistant, Low Smoke Halogen Free

We offer wide range of cables adapting ourselves to each customer requirements through our great technological and logistic capacity. Our cables are high quality and latest technology, improving people security and making work easier as well as environmentally friendly. In response to market globalization, Sumcab has always been adapting to the new situation changing every day. Our special product includes multilayer sheath instead of lead sheath and water blocking tape. The experience allows us to manufacture and keep stock of high quality cables for the diverse markets. Our core business focuses on following products

- ▶ Low Voltage And Instrumentation Cable – Off Shore and On Shore
- ▶ Marine Cables (ABS & Lloyd's Approved)
- ▶ Cable for Security Systems and Fire Prevention
- ▶ Thermocouple Extension Cable
- ▶ Cable for Renewable Energy
- ▶ Field Bus Cable – Ethernet, Industrial, KNX / EIB, Profibus & Modbus
- ▶ High Temperature Cable
- ▶ High Flexible Cable for Drag Chain
- ▶ Mining Cable
- ▶ Motor And Servo Cable
- ▶ Robotic Cable

Quality

- ▶ Manufacturing according to IEC, DIN, EN, VDE, UL, CSA & BS
- ▶ Compliance to UL, Lloyd's Register, ABS, TUV, RINA & Bureau Veritas

Solutions

- ▶ Reasonable Minimum Order Quantity.
- ▶ Short delivery timing according to market needs.

Control Valve & ESDV

We have been striving and exerting our every effort over the past several decades for the innovation and enhancement of the quality and performance of our products investing lots of time and energy in R & D.

Our effort keep continuing ceaselessly for various products on the state of the art technology focusing mainly on perfect customer satisfaction

We focus on the following products

- ▶ **Actuators** – Pneumatic Quarter Turn Actuator, Pneumatic Linear Actuator, Hydraulic Quarter Turn Actuator, Hydraulic Linear Actuator, Direct Gas Actuator, Gas Over Oil Actuator, Damper Actuator
- ▶ **Control Valve** – Globe Valve Type (Cage & X Trim), V Ball Type, Butterfly Valve Type
- ▶ **De-Super Heater** – Venture Tube Type, Direct Nozzle Spray Tube
- ▶ **Emergency Shut Down Valve (ESDV)** – Ball Valve 2" – 52" (150 LBS – 2500 LBS), SIL 3 Certificate (ESDV Full Set), SIL 2 Certificate (Actuator)
- ▶ **Shut – Off Valves (SDV & BDV)** – Ball Valve, Gate Valve, Globe Valve, Butterfly Valve & Plug Valve
- ▶ **Ball Valve (API 6D, API 608, API 607)** – Floating Ball Valve, Side & Top Entry Trunnion Type, Metal Seated Ball Valve, Orbit Ball Valve
- ▶ **Accessories** – Hydraulic Hand Pump, High Pressure Solenoid Valve (ATEX), High Pressure Pilot Valve, ESDV Station, Declutchable Gear Operator, Manual Gear Operator

Major materials used are Carbon Steel, Low temp Carbon Steel, Cr – Mo Alloy Steel, Stainless Steel, Special Alloy / Duplex SS etc.

Load Cells

We are the suppliers of industrial and process weighing load cells technology that covers many different applications including weight in motion, weighbridges, batching and check weighing. Our process weighing load cells and mounting assemblies are supplied in capacities from 5 Kg to 1000 Tonnes. Mounting assemblies are designed in accordance with euro code 3 practices. Our devices can be offered with anti-corrosive parelyne coating to provide additional protection in extreme environments where stress corrosion could occur in stainless steel.

In addition to process weighing load cells, we have very cost effective range of high performance single point, bending beam and shear beam load cells that are ideally suited to platform scales and machinery manufacturers. We support our customers with unique range of load cells for use in hazardous areas, ambient temperature up to 150 Deg. C and specially designed load cells for offshore applications. ATEX and IEC Ex approved load cells are available for all gas zones (0, 1, 2) and dust zones (20, 21, 22).

Product Range

- ▶ **Low Profile Load Cells** : For weighing of tanks, silos & vessels 2.5 Ton to 30 Ton
- ▶ **Folded Shear Beam Load Cells** : Suitable for high accuracy applications and where movement or vibrations are present like mixers, catalyst vessels, weighing platforms, axle weighing and weight bridges.
- ▶ **Compression Column Load Cells** : For large Silo Weighing (15 Ton to 1000 Ton) and for weigh bridges (15 Ton to 60 Ton)
- ▶ **Digital Compression Load Cells** : Truck Scales and Silo Weighing
- ▶ **Accessories** – Hydraulic Hand Pump, High Pressure Solenoid Valve (ATEX), High Pressure Pilot Valve, ESDV Station, Declutchable Gear Operator, Manual Gear Operator
- ▶ **Cantilever Beam Load Cells** : This is fully welded stainless steel hermitically sealed to IP68 & IP69K, so that it can be used in harshest industrial environments. It is suitable for weighing platforms, bag filters, belt weighers and tank weighing in food processing, chemical, pharmaceutical and general bulk handling industries.
- ▶ **Double Bending Beam Single Point Load Cells** : High accuracy weigh instrument with off center loads.
- ▶ **S Beam Load Cells** : Primarily designed for both tension and compression loads.
- ▶ **Viscous Damped Load Cells** : Particularly suited for high speed check weighing assemblies.

Vibration Sensors & Level Measurement

Vibration Sensors

We develop and manufacture sensors for the measurement of level, point level and pressure as well as we offer industrial vibration sensors for various applications including metals, pharmaceuticals, wind power, paper, coal and quarries and food & beverages. Our vibration sensor enables measurable improvements in the performance and efficiency of industrial plant by providing vibration diagnostics that support productive and preventative maintenance on key equipment such as fans, pumps, motors and gear boxes.

Our products include intrinsically safe accelerometers approved for use in Group I (Mining) & Group II (Petrochemical). We also supply Multi Sensor Switch Boxes, Vibration Sensor Modules, Portable Vibration Meters, accessories for Sensors, Vibration Conditioning Monitoring Protection Systems and Custom Built Vibration Sensors.

- ▶ Accelerometers – Vibration Sensors for Fans, Pumps, Motors & Gear Boxes
- ▶ Vibration Modular Systems – Temperature & Vibration Measurement Module
- ▶ Vibration Meter Kits – Portable Temperature & Vibration Diagnostics
- ▶ Switch, Connection & Junction Boxes – Protected Connection Points for Vibration Sensors
- ▶ Cable Assemblies & connectors – Sockets & Cables for Vibration Monitoring Assemblies
- ▶ Mounting Studs & Magnets – Tools & Mounts for Vibration Accelerometers

Level Measurement and Switching Instruments:

We develop and manufacture sensors for the measurement of level, point level and pressure as well as equipment & software for integration into process control systems. Our measurement technology sets new standards in reliability, accuracy and economy for all media and process conditions.

Our product range includes

Radar Type ■ Ultrasonic Type ■ Guided Wave Radar ■ Capacitive Type ■ Conductive

Hydrostatic Type ■ Differential Pressure Type ■ Radiation Based Type

These sensors can be used in different industries such as Chemical, Pharmaceutical, Waste Water, Mining, Energy Production, Renewable Energy, Food & Beverage, Metal Processing, Pulp & Paper, Petrochemical, Shipbuilding, Re cycling and Cement Industry.

Safety Electrical Equipments

Complete and secure range of electro mechanical equipment for potentially explosive environments designed and produced in both complete and subject to personalization to meet with client's specific needs. We operate in variety of market sectors and its interlocutors are equally varied, both domestically and in international markets. As an authentic partner to its customers, we offer products and support across the entire supply chain, from consulting services in the design stage to after sales assistance. Our client list include Oil Companies, Companies engaged in Production and Distribution of electricity, Refineries, Gas Distribution Companies, Water Purification Companies, Nuclear Plants, Engineering Firms, Municipal Bodies, Installation Companies, The Timber Industry, The Chemical Industry, Agribusiness Companies, Pharmaceutical Industry, Mining Companies, Storage And Warehousing Companies & Airports.

Product Range

- ▶ Ex d Enclosures for Circuit breaker, Switches & Selectors
- ▶ Motor Starters Panel Boards
- ▶ Instruments Housing
- ▶ Exed Control Stations & Junction Boxes
- ▶ Circuit Breakers, On Load Switch and Selector Switches
- ▶ Receptacle Socket Outlets in Resin or Aluminum with Junction Box
- ▶ Incandescent, Fluorescent, LED and Discharge Lamps Lighting Fixtures
- ▶ Emergency Lighting Fixtures
- ▶ Traffic Lights, Warning Lights & Obstruction Lights
- ▶ Cable Glands and Accessories for Ex Zone like Reducers, Adapters & Elbows.
- ▶ Metallic Cable Tray, Ladder & Trunking System, Busbar Riser, Earthing Material, Distribution Boards & Feed Pillars
- ▶ Termination Kits & Joints – Heat Shrink / Col Shrink / Plug In Type
- ▶ Circuit Breakers, Safety Switches, Load Centers, Meter Sockets & Enclosures
- ▶ Motor Control Starters, Contactors, Relays, Push Button & Selector Switch
- ▶ Flexible & Rigid Conduits And Accessories
- ▶ Elbows & Sealing Fittings

Materials used for the above product range are Aluminum Alloy with less than 0.1% Copper, Stainless Steel, Fiber Glass Reinforced Polyester & Brass.

Protection Instruments

TANK GAUGING & PROTECTION INSTRUMENTS

- ▶ Air Release & Vacuum Breaker Valve
- ▶ Surge Release Valve
- ▶ Crankcase Explosion Relief Valve
- ▶ High Velocity Pressure Vacuum Valve
- ▶ Flame Arrestor & Breather Valve
- ▶ Gas Free Vent Cover
- ▶ Magnetic Level Gauge, Reflex Level Gauge & Sight Glasses
- ▶ Tank Blanketing Valve
- ▶ Tank Liquid Level Indicator & Float Gauges
- ▶ Free Vents & Gauge Hatches

PRESSURE, TEMPERATURE & FLOW INSTRUMENTS

- ▶ Pressure Relief Valve & Pressure Sensing Differential Pressure Transmitter
- ▶ Pressure Sensors & Transmitters
- ▶ Electronic Pressure Switches
- ▶ Mineral Insulated Thermocouple & Miniature Thermocouple
- ▶ Handheld Thermocouple Sensors
- ▶ RTD PT100 Sensors
- ▶ Infrared Thermometers & Thermistor Sensors
- ▶ Temperature Transmitters
- ▶ Flowmeters – Magnetic, Vortex & Ultrasonic
- ▶ Flow Transmitters & Sensors
- ▶ Solenoid Valve & Proximity Switches

HIGH TEMPERATURE & HIGH PRESSURE ANTI SIEZE COMPOUNDS AND LUBRICANTS

- ▶ Regular Copper Grade: Temp. Range - 183 Deg. C to 982 Deg. C
- ▶ Pure Nickel Special: Temp. Range – 183 Deg. C to 1316 Deg. C
- ▶ High Temperature Bearing Lubricant: Temp. Range – 9 Deg. C to 538 Deg. C
- ▶ Marine Grade: Temp. Range – 183 Deg. C to 1343 Deg. C

Bolting and Torquing Equipments

Our Product Range

- ▶ Square Drive Hydraulics
- ▶ Low Clearance Hydraulics
- ▶ Pneumatic / Hydraulic / Manual Torque Wrench
- ▶ Electric / Air Power Packs
- ▶ Auto Cycle Pump
- ▶ Torque Multiplier
- ▶ Impact Sockets & Bolt Tensions
- ▶ Tube Expanders / Clearing System for Heat Exchanger and Boiler

Our Engineering Services include

- ▶ Torquing & Tensioning of Bolts
- ▶ Rental and Technical Support for Hydraulic Tools
- ▶ Installation and Re Tubing job for Heat Exchanger and Boilers
- ▶ Rental & Technical Support for Cold Cutting / Pipe Cutting Machine

Mechanical

- ▶ Piping Package Consisting Of Valves, Flanges, Gaskets, Sealing Products and related hardware in standard and exotic material
- ▶ Bellow & Hoses in various material grade and pressure ratings
- ▶ Line Pipes, Casings & Tubing in various grades, sizes and thread connectors
- ▶ Drilling Rig Components – Crown Block, Travelling Block, Rotary Table, Draw – works & Agitators
- ▶ Drilling Rig Components – Crown Block, Travelling Block, Rotary Table, Draw – works & Agitators
- ▶ Strainers – Basket, Duplex, Tee & Y Type
- ▶ Malleable Iron fittings for Water, Gas & Steam application in both NPT & BSP Threads
- ▶ Bearings – Deep Groove Ball Bearing, Angular Contact Ball bearing, Self - Aligning Ball Bearing, Thrust Ball Bearing, Cylindrical roller Bearing, Tapered Roller Bearing, Needle Roller & Cage Assemblies Bearing, Pillow Block Units & Housing