



etsil

Expo Technical Solutions International Ltd. (ETSIL) - came into operation in 1998 as an indigenous oil Services Company supplying top of the range products and services utilized in the oil, gas and energy market in Nigeria.

We operate from Lagos and Port-Harcourt in Nigeria with office outlet in Houston, Texas – USA, which was set up with the sole objective of coordinating the activities of our technical partners.

Array Holdings Inc. – USA

Essi Corporation – USA

Phoenix Compact Valve - USA

Mission: To supply top quality products and value added engineering services using Nigerian professionals thereby injecting the necessary ingredients to complement the local content challenge in the oil and gas industry in Nigeria.

Vision: Is geared towards positioning the company as one of the leading service delivery organisation reinforced with adequate manpower with the latest technology in the oil, gas and energy market in Nigeria

Products / Services:

We have installed in our Port-Harcourt facility, High Performance VALVE TESTING EQUIPMENT for both Safety Relief and Manual Valves.

With the MANUAL VALVE TEST BENCH the equipment can be used to carry out the following:

- Ø Hydrostatic shell test.
- Ø Hydrostatic seat test
- Ø Pneumatic seat test



ADVANTAGES

- Ø It monitors test time remaining in a process.
- Ø Monitors pressure on the real-time chart
- Ø The process can be monitored within a set period of time
- Ø A given time is allotted to the process.
- Ø It uses hydraulic clamping system which makes the process more efficient.
- Ø It is designed to accommodate a wide range of valves namely:- Gate, Globe, Check, Plug, ball, Needle, Butterfly, Control and special valves
- Ø It stores the valve data and test result in electronic copy.
- Ø It saves time and allow users to test valves prior to installation with accurate instruments.

Finally, it prevent possible safety hazards by performing calibrations prior to climbing scaffolding or going into a possible hazardous location.

PSV/PRV TEST BENCH

- ∅ It carries out Hydrostatic shell test
- ∅ It carries out Pop test for both pneumatic and liquid

ADVANTAGES

- ∅ Monitors test time remaining during testing
- ∅ Monitors pressure on the real-time chart
- ∅ Monitors start and stop pressure
- ∅ It covers both Flanged Valves, Socket Weld Valve, Butt Weld Valves, Female Threaded Valve and Special Ended Valve.
- ∅ It enhances record and data registration storage
- ∅ It can accommodate in-site testing
- ∅ Prevents possible safety hazards by performing calibrations prior to climbing scaffolding or going into a possible hazardous location.
- ∅ It stores the valve data and test result in electronic copy.



PRODUCTS:

Array Holdings – Array is a Leading manufacturer and distributor of Gate Valves, Actuators, Fittings and other flow control products.



ADP Actuator
Array Model APD
Pneumatic Diaphragm
Actuator



Plug Valve
The Array Accuseal®
Expanding Plug Valve

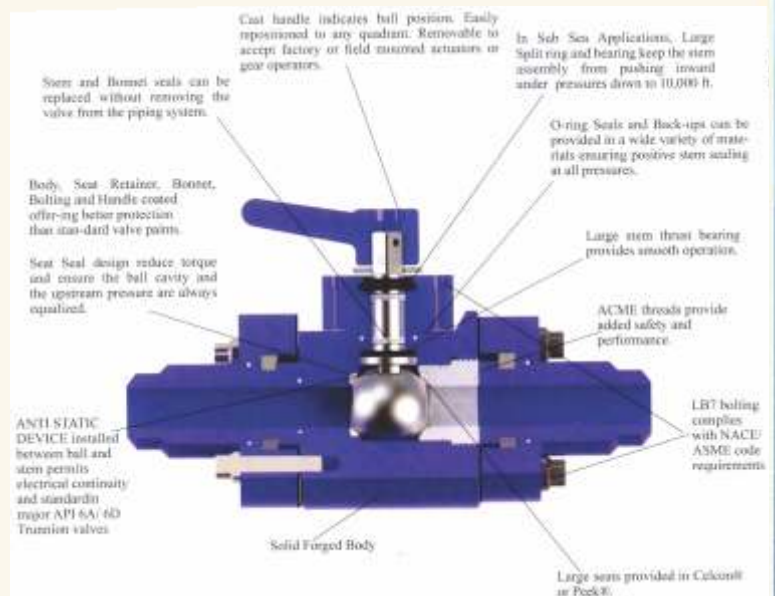
Forged Gate Valve
Array 2,000 - 5,000 psi
Expanding and Slab Gate
Valves



SPV Ball Valve
Array Accuseal® SPV
Metal Seated Ball Valve
for Power



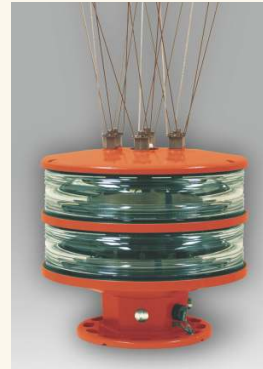
Phoenix Compact Valve – Is an advanced innovative technology in the manufacture of compact manifold valve which include:
- Floating Ball Valves, Trunnion Ball Valves, Floating / Trunnion Ball Valves, Check Valves, etc.



Aids to Navigation equipment: - ETSIL with our technical partner- Essi Corporation is involved in the research/development, marketing, field service and electronic (bench) repairs for safety systems for the domestic and International oil and gas industry.

These equipment include amongst others namely:

- Ø Buoys and Accessories
- Ø Process Compressor and Pump Control
- Ø Sound Emitters (Fog Signals)
- Ø Marine lanterns (beacons), Lamps and Photocells
- Ø Solar Energy Generators (Solar panels), Wind Generators and Wave Generators
- Ø Rechargeable Energy Cells (Batteries)
- Ø Electronic Safety Systems (ESS)
- Ø Fire, Smoke and gas Detection System
- Ø Supervisory Control and Data Acquisition (SCADA-Telemetry)



Other range of products in our stable include;

- Ø O.C.T.G. - Process Pipelines, Drilling & Process Equipment.
- Ø GALVOTEC ALLOY INC. – Cathodic Protection Materials
- Ø VINTROL INC. – API 6D Floating and Trunnion Ball Valves, Swing Check Valves, Butterfly Valves, etc.
- Ø TEXAS OILFIELD PRODUCTS – Trunnion Ball Valve, Flanged Check Valve, Groove Ball valve, etc.

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