

”

WORK  
SMARTER  
NOT  
HARDER

“

VD  
TECHNOLOGY  
CENTER



## Who are we?

- We take immense pleasure in introducing ourselves as the fastest growing organization in engineering consultancy and manufacturing sector catering to Oil & Gas, Petrochemicals and Pharmaceuticals.

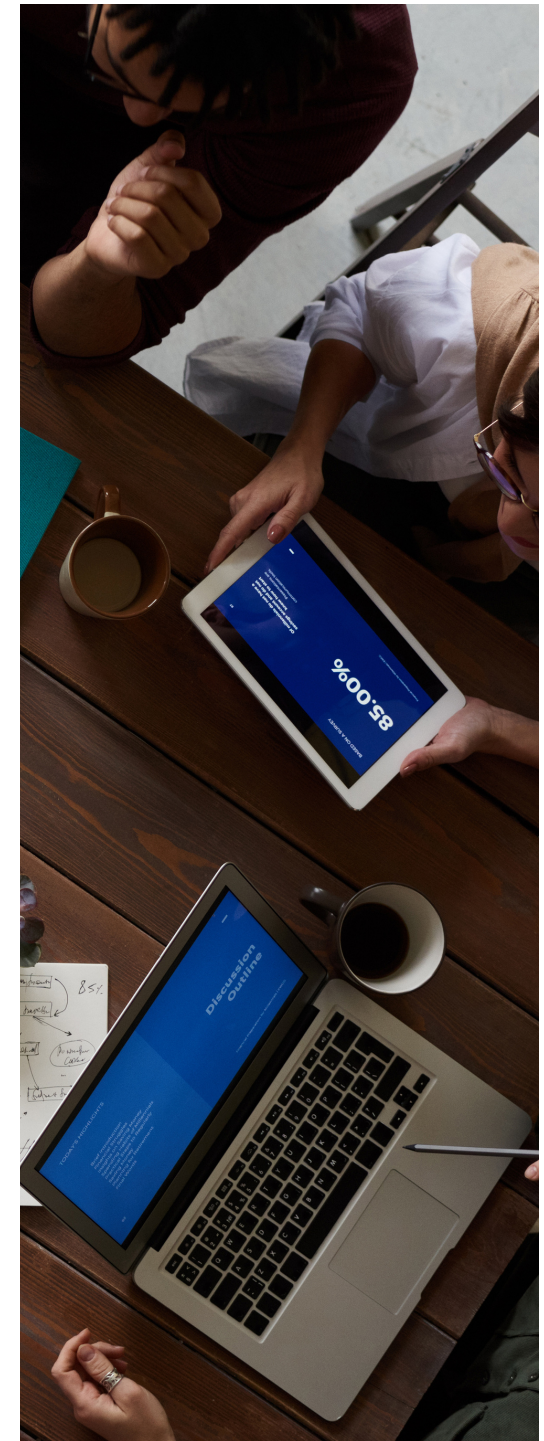


## Vision

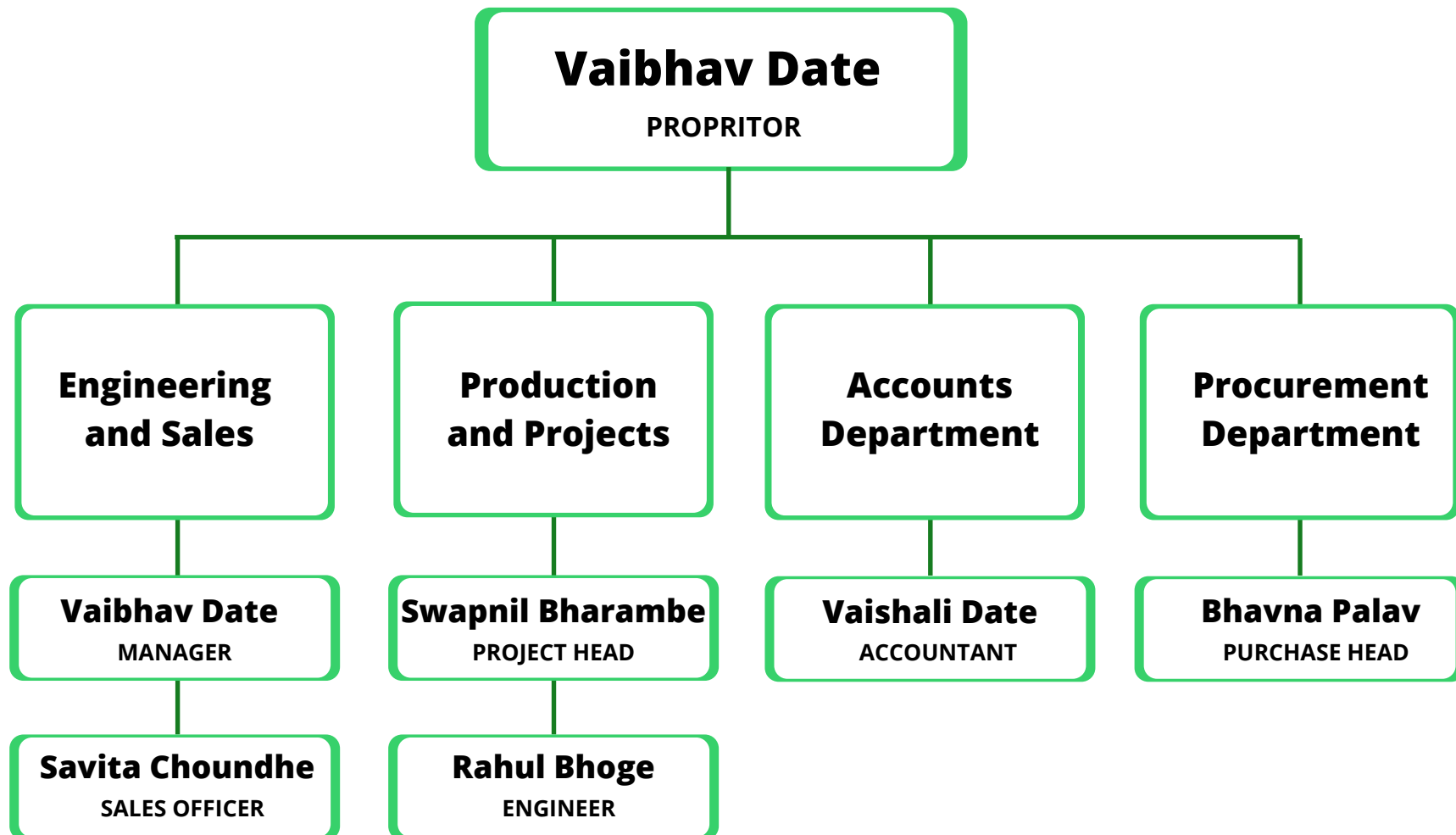
- To Partner with clients to satisfy their engineering design needs through reliable, high quality and flexible service models.

## Mission

- To be a leading solutions provider in engineering sectors, acknowledged for setting professional standards in all our activities and for creating value for our clients.



# Organization Chart



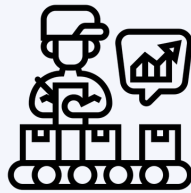
## What We Do?

- We handle the entire spectrum from Conceptual designing to Site erection & Commissioning.
- We excel in Detail engineering, Procurement, Fabrication, Machining, Site erection & commissioning and start-up support.

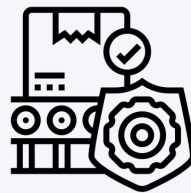
## The Solutions we provide



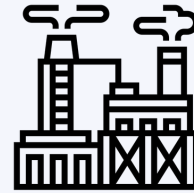
Technical  
Support



Value  
Engineering



Quality  
Control



Erection and  
Commissioning



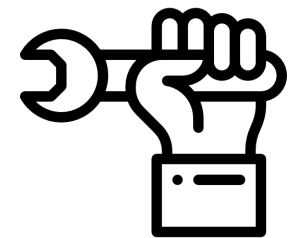
Process  
Control



Maintenance

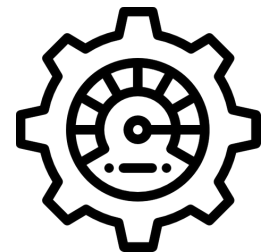
## Our Capabilities

- Engineering, Design and Fabrication for Process PLC systems with latest world leading automation tools Siemens, Yokogawa, GE, Schneider.
- Providing a turnkey automation solution for Upstream process, Down stream process, Pipe line monitoring and controlling fuel tank farms.
- SIL-3 Safety standards.
- Engineering, Design for ESD, F&G and Pipe line control and management systems for both Oil & Gas.
- Safety systems that are easy to integrate with all SCADA/ DCS.
- VDRL,FAT,SAT and relevant documents, start up and commissioning.



## Our Capabilities

- Pressure vessels as per: ASME Sec VIII Div. 1/ Div. 2, PD-5500, EN-13445, IS-2825.
- Shell, tube and coil heat Exchangers as per: ASME SEC VIII Div. 1 part UHX & Columns as per: ASME Sec VIII Div. 1.
- Shop/ Site welded storage tanks as per: API-650, IS-803, EN-14015.
- Flare steel stack as per: ASME Sec VIII Div.1 + STS 2000.
- Design and skid structure fabrication stress analysis on STAAD pro latest version.
- Pipe skid structure frame stress analysis on STAAD pro latest version.
- Fabrication of Coolers, Gate valves, Heaters Absorbers.
- Piping, Including 3D modeling, Pipe routing, ISO metric drawings, MTO, Stress analysis, Pipe supports, Civil foundation GA, preparation of valve list & data sheet etc.



## Our Capabilities

- Engineering, Design and fabrication of process equipment's pressure vessels, Column, Trailers mounted vessels, filters, PUP joints of various sizes.
- Manufacturing facilities for carbon steel, Stainless steel, Alloy steel with qualified welders & 100% RT Welding.
- Revamp/ Shutdown including NDT & testing.
- Site Audits, including instrumentation troubleshooting and system upgrades.
- Process engineering design support for package fabrication companies dor reactors, Heat Exchanger, Condensers.
- High quality equipment with unbeatable price and in time deliveries.
- Complete support after sell.
- Upgrade of any type of facilities as per client requirement.



# Our Capabilities



01

Lianing with Consultants or end user for the consultancy services and offering evaluation and preparation of TBA.



02

Preparations of specifications & datasheets of various instruments loop drawings, index, layout drawings and DCS/PLC input and output list.



03

providing cost estimate and man power estimates.  
finalization of the DCS & ESD systems.

## Our Capabilities

Preparation of instrumentation junction  
box termination



Inspection assistance of control room  
layout drawing

Preparation of logic interlock diagram.



We show our design to client and  
wait for feedback.

Preparation of control room layout



Preparation of Bill of material

Preparation of instrument cable  
Schedule



Supervision of erection  
& commissioning

Preparation of DCS graphics



Deputation of Manpower

## Other Services



Retrofits



TPA Expediting



Project execution help



Instrumentation  
Maintenance,  
Tubing, Fitting Etc



TPA inspection  
Services



Preparation/maintaining  
VDRL for our  
client



Annual Maintenance  
contract for your  
equipments



NDT solution  
with specialty in  
radiographic testing



Manpower solution  
and Consultancy  
for all streams

## Connectivity With Clients

1

Skype Call Support

2

Go To Meeting

3

Team Viewer

4

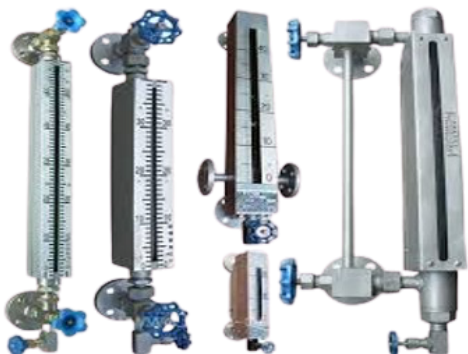
CISCO Webinar

5

24x7 Technical Support

# INSTRUMENTATION SUPPLY

- All types of Level gauges
- Level switch
- Sight flow indicators
- Calibration pots
- Glass tube Rotameter
- Orifice Assembly
- Steam flow meter
- Electro magnetic flowmeter
- Metal tube Rotameter
- Y Type strainer
- Basket strainer
- Pleated fliters



# INSTRUMENTATION SUPPLY

We have a Full range of CAMERON (now known as SCHLUMBERGER) Products for flow measurement right from raw reading to final calculation flow scanners.

- Turbine flow meters for all size and types.
- Flow scanners for liquid and gas measurement both wired and wireless.
- We have a very famous cone meter with great accuracy of gas measurement.
- Coriolis Mass Flowmeter for mass and density measurement.



## Project References

### LOW GAS METERING SKID

- Contractor: Superior Oilfield services
- Project : Well Testing
- Year : 2016



## Project References

### INTEGRAL TYPE CROSS OVERS

- Contractor: Superior Oilfield services
- Project : Flowback system ONGC kakinada
- Year : 2016





## Project References

### WELDED HAMMER UNION 3" 602

- Contractor: Expro Oilfield services
- Project : Flowback systems
- Year : 2017



## Project References

### WELL TEST 3 PHASE SEPERATOR

- Contractor: Expro Oilfield services
- Project : Flowback systems
- Year : 2016



## Project References

### 3 WAY GAS DIVIDER MANIFOLD

- Contractor: Superior Oilfield services
- Project : Flowback systems
- Year : 2016



### 5 WAY GAS/Oil DIVIDER MANIFOLD

- Contractor: Superior Oilfield services
- Project : Flowback systems
- Year : 2016



## Project References

### ZERO VELOCITY VALVE

- **Contractor: Praj Engineering**
- **Project : Flowline project**
- **Year : 2014**



### LPG TRANSPORT TANK

- **Contractor: Eureka Fabrication**
- **Project : LPG Transport Tank**
- **End-User : Bharat Petroluem**
- **Year : 2015**



## Project References

### FURNESS FABRICA

- Contractor: Sai Thermals
- Year : 2010



### AIR RECIEVER TANK

- Contractor: Square Engineering
- Year : 2015



## Project References

### Venturi Element

- Contractor: Praj Engineering
- Year : 2016



### FUEL CELL TESTING STATION

- Contractor: IIT, Bombay
- Project : Flowback systems
- Year : 2016



## Project References

### Filter Vessel

- End-User: Yashada Engineering
- Year : 2016

### Filter Storage

- End-User: Amide water filtration  
pvt. ltd



## Project References

### Shree Satyanarayan Engineering

- Contractor: SSIS
- Project: Reliance J3
- Location : Jamnagar
- Year : 2015





## Project References

### Burner Boom Structure

- Contractor: Sparklet Engineering
- End-User: Oilserv, Iraq
- Project: EPF, Iraq
- Year : 2016



# Project References

## Test Seperator Structure

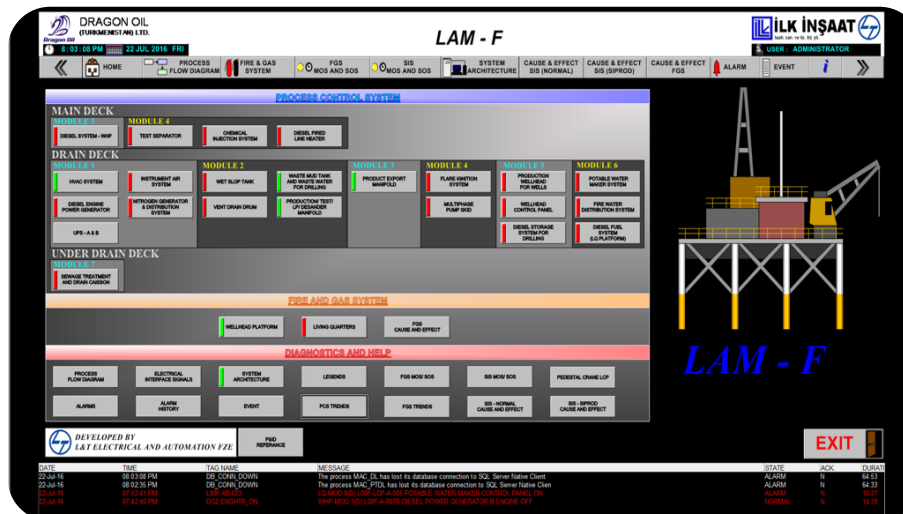
- Contractor: Sparklet Engineering
- End-User: Superior Energy
- Project: Well testing Project
- Year : 2016



# Project References

## Process control automation system

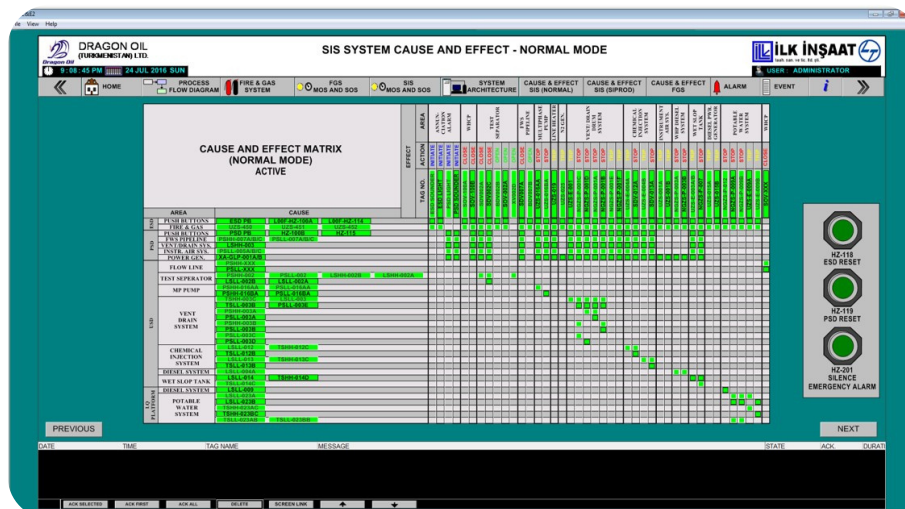
- Contractor: L&T Electrical and Automation FZE
- End-User: Dragon Oil Turkmenistan
- Year : 2015-16



# Project References

## Safety Instrument System

- Contractor: L&T Electrical and Automation FZE
- End-User: Dragon Oil Turkmenistan
- Year : 2015-16



**DRAGON OIL**  
(TURKMENISTAN) LTD.

**SIS SYSTEM CAUSE AND EFFECT - NORMAL MODE**

**ILK INŞAAT**

**CAUSE AND EFFECT MATRIX (NORMAL MODE) ACTIVE**

AREA	CAUSE	EFFECT	TABLE NO.	FUNCTION	AREA	CAUSE	EFFECT	TABLE NO.	FUNCTION
FACILITY PROTECT	WATER FLOW	TRIP	TRIP-001	TRIP	FACILITY PROTECT	WATER FLOW	TRIP	TRIP-001	TRIP
	WATER FLOW	TRIP	TRIP-002	TRIP		WATER FLOW	TRIP	TRIP-002	TRIP
	WATER FLOW	TRIP	TRIP-003	TRIP		WATER FLOW	TRIP	TRIP-003	TRIP
	WATER FLOW	TRIP	TRIP-004	TRIP		WATER FLOW	TRIP	TRIP-004	TRIP
FACILITY PROTECT	WATER FLOW	TRIP	TRIP-005	TRIP	FACILITY PROTECT	WATER FLOW	TRIP	TRIP-005	TRIP
	WATER FLOW	TRIP	TRIP-006	TRIP		WATER FLOW	TRIP	TRIP-006	TRIP
	WATER FLOW	TRIP	TRIP-007	TRIP		WATER FLOW	TRIP	TRIP-007	TRIP
	WATER FLOW	TRIP	TRIP-008	TRIP		WATER FLOW	TRIP	TRIP-008	TRIP
FACILITY PROTECT	WATER FLOW	TRIP	TRIP-009	TRIP	FACILITY PROTECT	WATER FLOW	TRIP	TRIP-009	TRIP
	WATER FLOW	TRIP	TRIP-010	TRIP		WATER FLOW	TRIP	TRIP-010	TRIP
	WATER FLOW	TRIP	TRIP-011	TRIP		WATER FLOW	TRIP	TRIP-011	TRIP
	WATER FLOW	TRIP	TRIP-012	TRIP		WATER FLOW	TRIP	TRIP-012	TRIP

Navigation: PREVIOUS, NEXT, ADMINISTRATOR

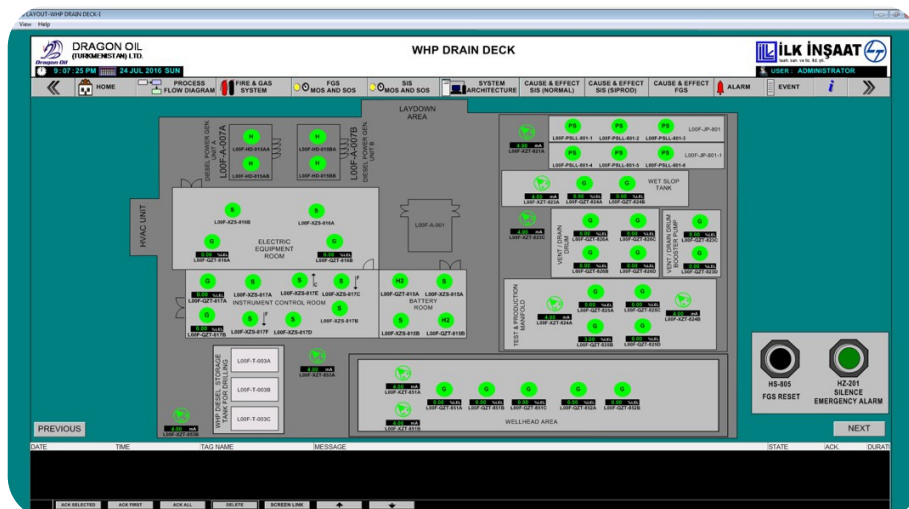
Buttons: HZ-118 ESD RESET, HZ-119 PSD RESET, HZ-201 SILENCE EMERGENCY ALARM



# Project References

## Fire Gas System

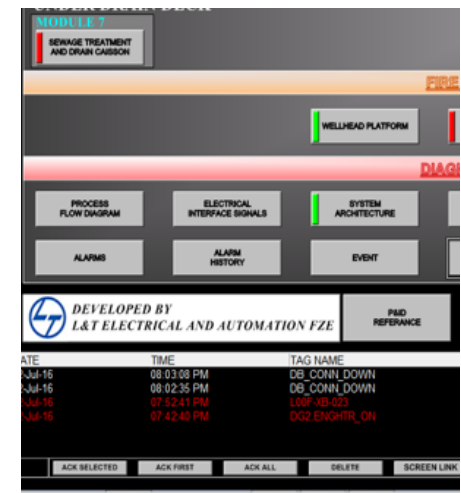
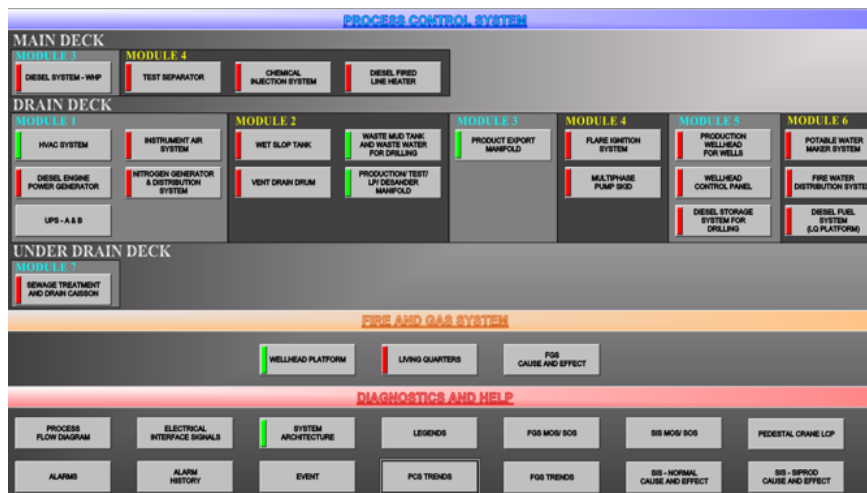
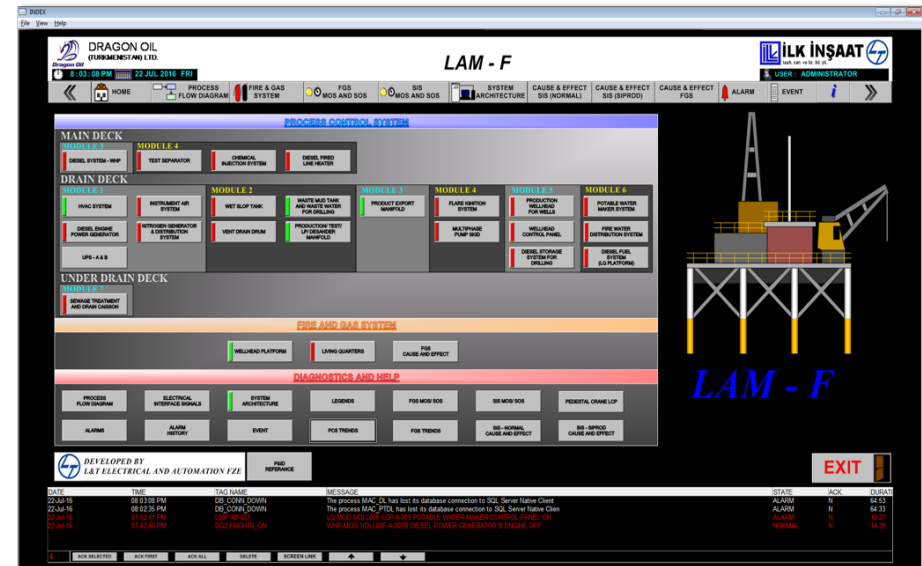
- Contractor: L&T Electrical and Automation FZE
- End-User: Dragon Oil Turkmenistan
- Year : 2015-16



# Project References

## 120 MG Water reservoir

- Contractor: L&T Electrical and Automation FZE
- End-User: Dubai Electrical & water Authority
- Year : 2015



## Project References

### Shop Floor View

- Total available area for fabrication with shed: 7000sq.ft X 30 ft height
- Total fabrication vessel capacity of 4 MTR dia, 8MTR long x 50mm thickness



# Miscellaneous Jobs





# Miscellaneous Jobs



Weldneck Flange



Companion Flange



Blind Flange



Weldneck Flange



Companion Flange



Blind Flange



Adapter Flange



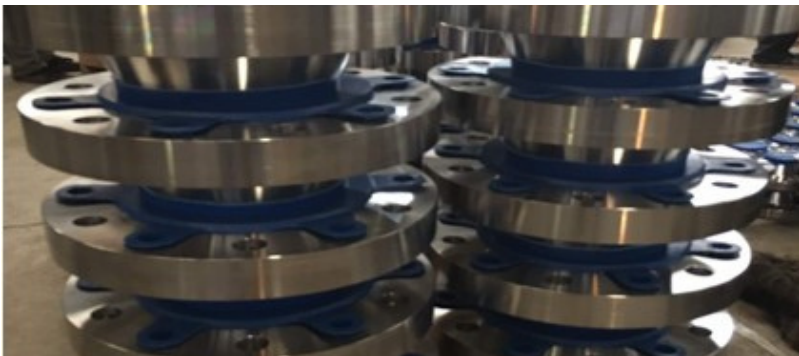
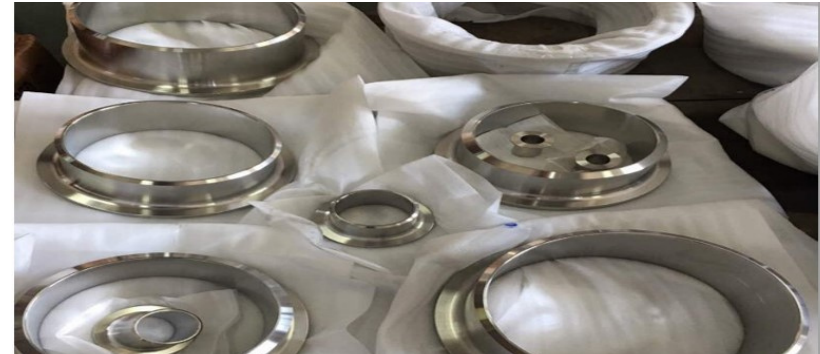
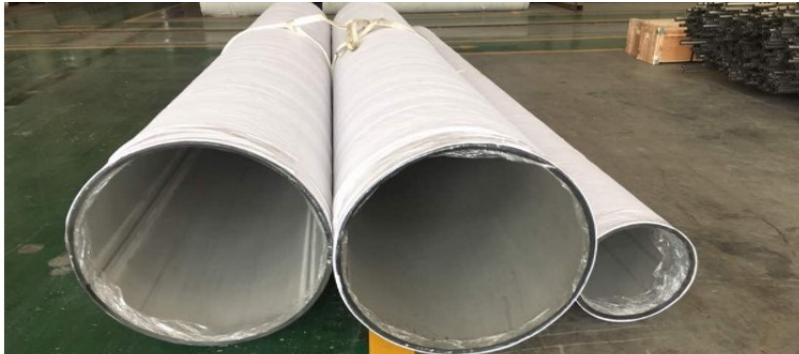
Double Studded  
Adapter Flange



Double Studded  
Adapter Flange



## Miscellaneous Jobs



## Miscellaneous Jobs



# OUR ACHIEVEMENTS



**INDIA BEST 5000 MSME**

INDIA 5000 is a research group, initiated and organized by Benchmark Trust, which has created a platform by doing research and recognition for 5000 best MSME (Micro Small Medium Enterprises) in quality output.

ISO 9001:2015 is an international standard dedicated to Quality Management Systems, It outlines a framework for improving quality and a vocabulary of understanding to provide products and services that consistently meet the requirements and expectations of customers.



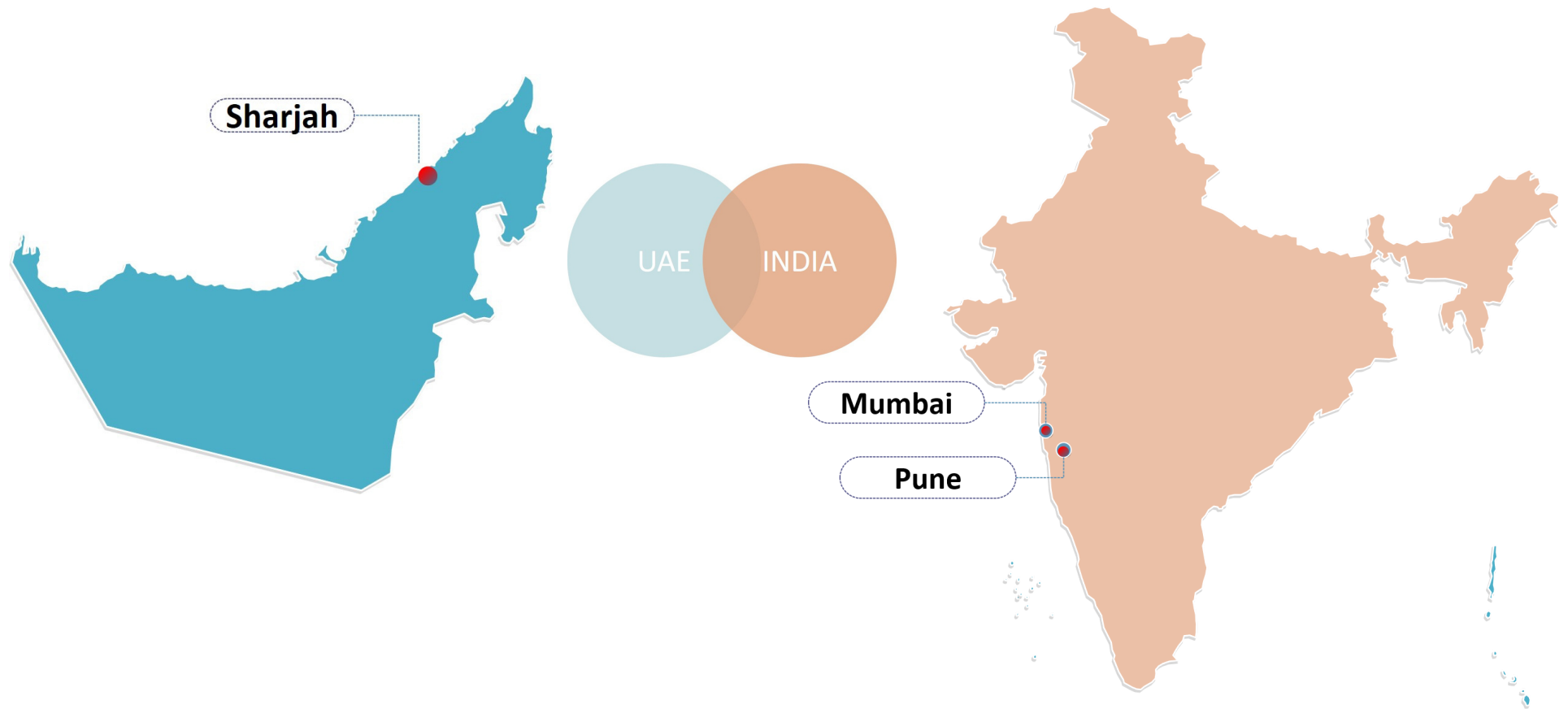
**Management System**

*Certificate Of Registration*  
**Geotek Global Certification Pvt. Ltd.**  
hereby certify that the organization  
**VD TECHNOLOGY CENTER**  
Address : B - 405, J. M. Apartment, Nehru Road, Dombivali East, Thane 421201, Maharashtra, India  
**ISO CERTIFICATION 9001 2015**  
scope:

# Our Clients



# Find Us



# Thank you

- Let's get going over a cup of coffee!



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