(IB)

OIECS ENGINEERING PVT. LTD

(ISO 9001 : 2015)

(Formally)

ORBITINDIA ENGINEERING CONSULTANCY SERVICES







About Us

ORBITINDIA ENGINEERING CONSULTANCY SERVICES is Plant Design engineering service provider. We also provide project execution, construction & supervisory management, for Mechanical, Process, Civil, Electrical, Instrumentation, Petrochemicals, Refinery, Dyes, Power plant Projects, Bulk Drugs, food and Pharmacy projects etc.



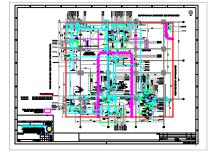
Basic Engineering Services

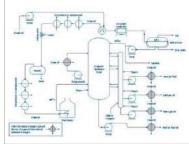
ORBITINDIA ENGINEERING CONSULTANCY SERVICES provide: Process Engineering; Process Design of Equipments; Process Control Instrumentation Philosophy; Process Data for Instrumentation.

Orbitindia Engineering Consultancy Service (OIECS)

Orbitindia Engineering Consultancy Service (OIECS) is a detailed engineering Service Provider firm. OIECS has specialization in Project Execution Services for Small & Medium size Petrochemical, Refinery, Bulk drugs, Food & Pharma industry, Heavy Chemicals, Dye & Dye - Intermediate Plants & Power Projects Orbitindia Engineering Consultancy Service (OIECS) aligns technology solutions with your business and engineering objectives.

- Process description
- Process flow sheet
- PID Preparation
- Piping Equipment sizing, design process, data sheet
- Utility Calculation & Summery
- Piping Sizing, Material selection & Line Numbering
- Hazop & Hazard Studies





Detail Engineering Services

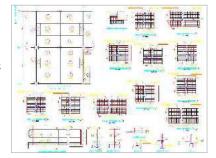
ORBITINDIA ENGINEERING CONSULTANCY SERVICES provide: Mechanical and Piping Engineering, Electrical Engineering, Civil/ Structural Engineering, Instrumentation, HVAC (Heat Ventilation Air-Condition).

Mechanical / Piping / Equipment

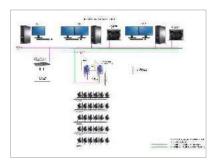
- Machanical & Piping, Equipment, Mechanical Design & fabrication detailing
- Piping Design & Detailing, 2D & 3D, MTO Calculation, Isometrics support, Piping stress analysis

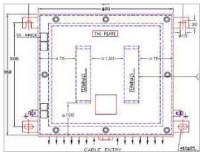
Instrumentation

- Instrumentation selection & specification
- DB Sizing and listing, Cable sizing
- I/o listing & panel design, DCS, PLC details selection & Engineering
- Logic development & Engineering
- MTO & RFQ, Design basics for Procument assistance.









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- Civil steel & RCC structure design
- Stadd design and analytics
- Fabrication drawing
- Stability Check
- Load bearing design











Electrical Design Engineering

- HT, LT Design & Engineering
- Panel Design & detailing
- SLD, JB, Cable routing, cable sizing & Specification
- MTO & RFQ detailing
- Lighting arrangement & LUX calculation
- UPS, Generator & Emergency lighting design
- CCTV & Security system design
- Earth mate calculating, earthling calculation, Layout

Independent Engineering Services

ORBITINDIA ENGINEERING CONSULTANCY SERVICES provide: Project Management, Engineering Manpower Supplier.

- Project Management services
- Engineering manpower supply
- Inspection , testing & calibration services
- Plant & Safety Audit
- Inspection & Testing, Engineering Drafting
- Plant & Commercial apart, fire safety & engineering audit
- HVAC, MEP, Firefighting design & Engineering
- Site survey & supervisory
- Procurment & consulting engineering services
- 2D & 3D animation & drafting services
- PESO Inspection & Audit
- DISH Inspection & Audit

- NDT Inspection Testing, Structural, Civil Piping
- Advance NDT
- Safety Audit
- · Energy Audit, Inspection











Orbitindia Engineering Consultancy Services(OIECS) aligns technology solutions with your business and engineering objectives.

From inception to completion, we plan, execute, and control projects backed by proactive planning and first-hand knowledge of contract terms, client objectives, responsibilities, and capabilities. Adept technical and human resources are pooled to forge effective project organization structures







ORBITINDIA ENGINEERING CONSULTANCY SERVICES (OIECS) renders comprehensive consultancy services starting from project formulation, techno-economic feasibility studies, concept planning, detailed design and engineering, project management and supervision. The services include:

Our Focus is maintained on diligent communication lines with clients to sustain long-lasting business relationships.

Meanwhile, in accordance with the best engineering ethics, plans are set, goals are defined, and methods are devised to accomplish projects'

requirements within set budget and time schedule.

Project Completion OIECS-2020

Commercial aprtmanets and Hotels

2007

THE RESORT (Malad)

HVAC-Chill. Water Piping, Drafting in 2D, As built Drawing, Piping Layout, Plant Layout.







2009

THE COURTYARD (HYDERABAD)

HVAC-Chill. water Piping ,Drafting in 2D,As built Drawing ,Piping Layout, Plant Layout.

Fertilizer & Chemicals 2006

R.C.F(Rashtrya Chemicals & Fertilizer)

MTO Calculation, Drafting in 2D, Piping Layout, Piping, Isometrics in 2-D, Piping Layout, Equipment Layout, Study Piping.

2006

Hindustan organic Itd

MTO Calculation, Drafting in 2D Piping Layout, Isometri

2023

BARC - Mumbai

NRB-BARC, Project Modification Autocad 2D, 3D Design & Drafting





Speciality Chemicals

2008

CAPROLACTOM CHEMICAL

Piping Layout Design, Equipment Layout, Mechanical data Sheet, Drafting, (MAHAD) in 2D.

2019-20

IPA Recovery Plant, Thane

MTO Calculation, Drafting in 2D ,Piping Layout, Structural Layout in 3- D, Structural Detailing, Piping ,Equipment modeling,Isomatrices in 2-D, Piping Layout ,Equipment Layout, Study Piping.

2018

Grasim Rahela-

250 TPD Caustic Soda Expansion. Piping Design and 3D Modeling in PDMS software.

2019

GRASIM - RAHELA -JACOBS

PDMS 3D - Modeling, Piping Civil, Structure, Electrical

2009

Clariant Chemicals

MTO Calculation, Drafting in 2D ,Piping Layout, Structural Layout in 3-D,Structural Detailing, Piping ,Equipment modeling,Isomatrices in 2-D,Piping Layout ,Equipment Layout, Study Piping.

2019-20

Camlin Fine Sciences.

Client Co-ordination and management ,FEED Package Preparation. PFD,PID Development.

Basic Plot Plant Finalization. Equipment Selection.

2018

Camlin Fine Sciences Ltd. - Dahej -Gujrat.

Green Field , Piping Design and Engineering , Jackete Process Piping Design and Detailing ,Piping stress Analysis. Construction Supervision and Management. QC checks for Piping Field.

2010

Laxmi Organics

Rehabilitation of plant, Piping layout, Equipment, Layout, Isomatrices, Installation Planning and supervision Plant, Installution.Drafting in 2D.

2018-19

Prasol Chemicals Pvt Ltd. - Mahad

BIBSA Plant 02, Green Field project.Detailed Engineering Services Machanical, Electrical, Instumentation, Piping, Procument assistance.

2018

Camlin Fine Science – Khopoli.

Green Field Project for Detailed engineering. Mechanical and Piping Engineering, Electrical Engineering, Instrumentation.

2024

CAMLIN FINE SCIENCE - KHOPOLI

3D Scaning, 3D Modeling in Autocad, 3D Naviswork.

Refinary

2010

HPCL—HP-GAS-Haryana (Bahadurghar)

Tank farm Piping layout,, Isomatrices,MTO Calculation, Installation Supervision, Structural Detailing Drafting in 2D.

2010

BPCL-Mumbai

As Built drawing Preparation for Hydrotesting, UT Testing ,Supervision for Hydro testing and UT Testing And Approval from BPCL Authorities.

2019

JACOBS/WORLY

IOCL - Guwahati, Assam BS VI - Fuel upgradation project, piping, 3D Moduling Civil- structural, Electrical & installation

2010

HPCL - Mumbai

MTO Calculation, Drafting in 2D, Piping Layout, Structural Layout in 3-D, Structural Detailing, Piping, Equipment modeling, Isomatrices in 2-D, Piping Layout, Equipment Layout, Study Piping.

2010

MRPL-Menglor Refinary

IBR-Boiler Line Detailing, Extraction Of Isometrics From GA for Approval Of IBR Officer.

2019

IOCL - ASSAM GUWAHATI

Isomarisation Units 3D Model, PDMS Civil - Structural Piping, Electrical etc.

2010

BPCL-Mumbai

Revamping For Piping and Equipment Layout, Isomatrics Preparation, Asbuilt Drawing Preparation, Mechnical Structural Detailing.

2011

ZIOTL (Zuari Indian oil Tanking) Gao, MPT-Margogoa Port Trust,

Tender Document workout, Making offer as per Project requierment. Vender selection, floting inqury for matarial procument, client co-ordination and project follow-up, Costing Estamation for project, Project Planing and management.



2012

HPCL (Hindustan Petroleum Corporation Ltd.) Vishakhapattanam.

Crude Oil Blending System.(FEED-Packege)
Detail Engineering. Piping Design, Structural
Design and Detailing, Electric Engineering,
Civil Design.

2014

Oil India - Assam

Tank-Farm Piping Design Detail Engineering, Isomatrices, layout MTO

2017

HPCL- Mumbai-Pune-Solapur Pipeline.

(Hazarwadi) Sangli UT(Ultrasonic Thickness Checking) —Testing ,12" HSD-Pipeline in Pumping station Inspection ,10" SKO-Pipeline in Pumping station Inspection. 8" MS-Pipeline in Pumping station Inspection. External Safety Audit.

2021

HPCL - MMPL - Pipe Line

NDT - Inspection & Testing Safety & Audit

2013

BPCL - Bharat Petroleum Corporation Ltd.

Development and Design of Piping, Civil, Electrical, Mechnical. For Complete Refinary New Schem Modification, Design and Detail engineering, As-Built Drawings.

2016

HPCL-Manmad Depot.

Client Co-ordination and management. PFD Preparation, PID Preparation, for Tank farm, Gantry Area. Piping Layout Modification for Pump House-02

2017

HPCL- Pumping Station(Pakhani) Solapur UT(Ultrasonic Thickness Checking) —Testing ,12" HSD-Pipeline in Pumping station Inspection 10" SKO-Pipeline in Pumping

station Inspection. 8" MS-Pipeline in Pumping station Inspection.External Safety Audit

2014

BPCL-Jabalpur(Bhitoni) -

Tank farm Fire Fighting Design and Detail Engineering BPCL-Jabalpur(Bhitoni) — Tank farm Fire Fighting Design and Detail Engineering

2016

HPCL -Loni, Pune -Depot

Client Co-ordination and management. PFD Preparation, PID Preparation, for Tank farm, Gantry Area. Piping Layout Modification in tank farm Piping As Per OISD -118. Isometrics, Piping Layout —As-Built.

2018

IOCL-Guwahati.-Aassam

BSVI — Fule up gradation Project Revamping CDU,CCU,HDT,ISOM,CRU area Revamping. Tie-ins Engineering, Modification. Piping, Civil, Piping GA, Isomatrices, Demolution Details study, MTO Calculation, Isomerization Unit Complete Piping Design, In PDMS.

Oil and Gas

2010

ONGC-Uran

Compressor Piping Design, Structural Detailing for Extension Dake, Project technical documentation Transmission.

2017

Client Co-ordination and management.

As-Built Drawings Flair Line Isometrics. Naptha Line, Compressed Air, line Isometrics. UT Thickness checking, Thickness Checking Report Preparation. Inspection and Testing.

2020

ONGC - URAN

DISH - Inspection, Testing NDT - form - 11, lifting Machine Tools & Tackles

2012

ONGC-Hazira.

Fire fighting Tendering, As per Piping layout.

2017

ONGC — Hazira, By L &T Automation - Mahape.

M.B Lala Modification Project for Tank farm Area, 17 nos. of ARN,SKO,ATF,HSD tanks Piping Modification As per M.B Lala Notification. With OISD 118 Hot Tapping Drawings, Piping Layout, Isometrics, Support Detailing Piping Stress Analyses by CEASER-II, Analyses Report Preparation. Client Coordination and management.

2013

ONGC - Mehasan.

Gas Gathering Station - GGS 761,741,721,722 Piping Routine according to P & ID. Equipment Layout, Calculation of Tendering MTO.

2017

Gail India DBPL -

Dabol-Banglor Pipeline Project. External Safety Audit and Inspection.

ONGC Uran Plant -

Plant Equipment Inspection and Testing. Form No.13.

2021

KOKAN LNG - DABHOL

Cryogenic Pipe line Routine & Tress Analyses



Petrochemicals

2014

Shell Lubrication. (Taloja-Mumbai)

Thank-Farm Separation Project. Piping Design, Support Design Detailed Engineering MTO Calculation, Tendering Documentation.

2017

Shell Lubricant, Taloja- Mumbai,

Client Co-ordination and management. As-built PID,PDF Preparation, New Receiver Tank Modification. Piping Layout and Detailing. Isometrics, MTO Calculation.

2022

Petromech LLC - Qatar

Crude Oil Blending BEP, DEP, Procurement construction supervision & Management etc.

Steel and Power Plant

2011

ISPAT-Gaigad

Preparation of Cooler Structure Detail Drawings, Revamping As-built Drawings.

2011

Mukund Steel

Preparation Piping layout for LPG System for furnace area, Calculation of material take off, Pressure Drop calculation, Piping Detail Design.

2016

Birla Copper — Anjar —Gujrat -Land-marin Engineering Pvt.Ltd. -

Client Co-ordination and management. EOT Crane Inspection, EOT Crane Maintenance. Supervision and management. Inspection and testing.

Paper and Pupl

2011

Hinduatan MI-Sawco(Gujrat)

Preparation of tendering for Green Field Project (FEED - Packege)documentation with complete EPC Basis Offer, Process, Mechnical, Electrical, Instrumentation, Civil,construction, Making bugetery workout.

Water Treatment

2015

Pepsico India Holding Ltd, Banglore

Client, Contractor Co-ordination and management. Detail Engineering Services. Piping Design.Equipment Layout, MTO calculation, Pipe Rack Design and Detailing. Isomatrices, Detailed Fabrication DWG. Construction supervision and material management.

Printing and Textiles industries

2015

PPL-Paper Product Ltd.-Silvasa

Client, Contractor Co-ordination and management. Utility system Design. Thermic Fluid, Chilled Water, Air, Solvent, Soft-water etc. Design and Detailed Engineering Construction inspection and supervision. Piping Stress Analysis. Isometrics, Support Detailing.

2015

Welspun India Ltd.(Anjar-Gujart)

Client Co-ordination and management. Utility Piping Design and Detailing Piping Stress Analysis. Isometrics. Support Detailing.

2017

Indore Composite - Morocco - South Africa.

Utility Design and Detail Engineering. Basic engineering, Process Calculation for Utility Compress Air, Resin, Cold Water, Equipment Sizing, Material Selection, HVAC- CFM calculation, Ventilation Calculation, Blower Sizing, Duct sizing, Ducting layout and fabrication Drawings,



KEY PERSONS



MUKUND SADASHIV CHIPLUNKAR

(Sr.Process & Technical Safety Consultant)

B. Tech. (Bachelor of Technology) in Chemical Engineering. Passed out from Indian Institute of Technology [I.I.T.], Bombay, INDIA in 1975 EXPERIENCE SUMMARY: Thirty-six (36) years of experience in process design, engineering, operation and troubleshooting in all areas of hydrocarbon processing industry. Wide ranging experience, from consultancy organizations to operating companies. Involved in all aspects of oil and gas production facilities, gas processing and petrochemical plants.



SOMNATH GOVINDRAM GUPTA

(Electrical and Instrumentation Head)

Electrical Engineer with over 25 years enriching experience in managing Electrical and instrumentation Engineering Design operations, maintenance and projects & Electrical safety Audits, Quality Management audits for reputed companies in diverse sectors like Telecom, Chemical, and Petrochem, Refinary, Oil and Gas etc.



D.K.BERA — B.TECH MECHANICAL

Head of the Dept An engineering professional having more than 25 years of relevant experience in the field

of Mechanical Equipment , Chimny, Floting Roof Storage Tanks , Light and heavy steel Structural & Civil Design and Engineering.



MR. VENKATESH TAKLIKAR- SR. CONSULTANT.

(charterd Engineer)

Competent Person-DISH-DGFSLI

(Pressure Plant and Vessels, Lifting Machine and tools tackels, Safety Auditor) He is a safety professional with more than 30 years of experience in safety, operations, quality, materials and training, prior to formation of this organization. He is basically a graduate in Mechanical Engineering with Post Graduation in Business Management, Diploma by ILO Association, Japan and Advanced Diploma in Industrial Safety.



MR.VIKRAM.P.ADAGALE - C.E.O

(Competent Person)

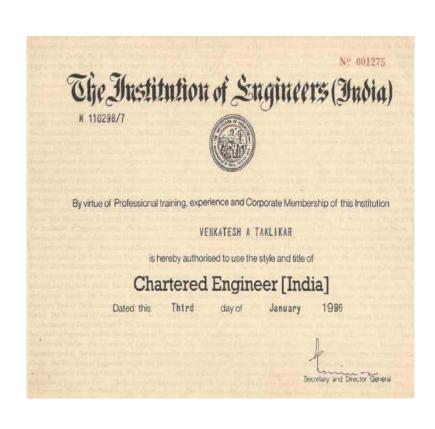
DISH Competency In Pressure Vessel and Pressure Plant. B.Tech Chemical Engineering, P.G Diploma In Piping Engineering from Suvidya Institute of Technology, Competent Person ☐ 12+ years of Experience in Refianry, Petrolum, Oil and Gas, Chemicals Plan Piping Design and Detail Engineering, FEED Package, Green Field, As-Built Project Planning ,Estimation and Design □ and Detailing. Industrial Safety Audit, Expertise in Cross-Country Piping, Above Ground Piping Design Detailing Engineering ☐ Tendering Estimation, Construction Supervision and management. Domestic, Commercial, Industrial MEP, HVAC, Design ,Engineering and ☐ Estimation. Engineering document review (Mechanical, Instrumentation, Civil, HVAC and Process) and inspection and testing.



CERTIFICATES



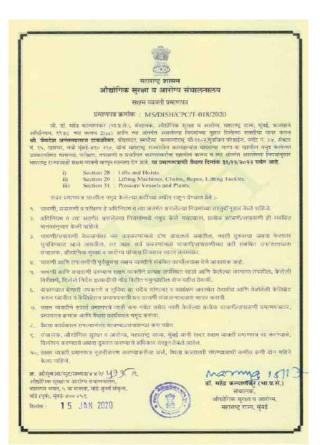








CERTIFICATES









OIECS's Valuable Clients

































































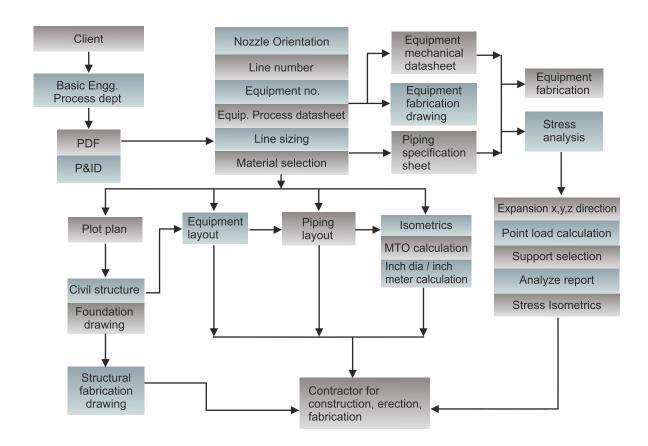








Activity Chart



Contact us

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