

# Sathisha Kowri Subramanya

## Professional Experience Summary

Total overall 19years' experience& in 15 years gained in the Oil & Gas Industry involved in Various Onshore & Offshore projects.

- Successfully applied computer packages like AVEVA PDMS,PDS,SP3D, Auto CAD and Micro Station.
- Applied 3D-Modelling for tray, Light Fittings, Electrical equipment's& Supports using AVEVA PDMS.
- Developed Cable Trench &tray, Lighting, Electrical equipment and Grounding layouts using Auto CAD and Micro Station.
- Prepared Cable Routing layout & Cable Schedule, SLD, Area Classification (hazardous) drawings, MCT location layout & MCT arrangement drawing.
- Preparation of Installation Details, Lighting Calculation and Bulk MTO.
- Reviewing the 3D modelling work & 2D layouts.
- Co-ordinate with other disciplines such as Piping, Civil & Structural, Instrumentation.
- Preparation of cable Tray, Equipment like LCS. Junction box Modelling using AVEVA PDMS Software.
- Preparation of cable Tray supports using MDS Modelling using PDMS Software.
- Extraction of Cable tray, support, Junction box & equipment using AVEVA PDMS Draft (Extraction)
- Preparation of lighting calculation using Chalmite& AGI 32 lighting software.
- Preparation of MCT sizing and Schedule, Junction box Schedule & Lighting circuit booklet.



## Education

- Diploma in Electrical Engineering, Technical board, Karnataka,India, Aug1994

## Languages

- English, Fluent
- Hindi, Kannada and Tamil

## Software

- AutoCAD
- Micro station v7.1 & v8
- AVEVA PDMS [Plant Design Management System]
- PDS [Plant Design System]
- SP3D[Smart Plant 3Design]
- E3D ( Knowledge)
- CHALMITE& Dialight, AGI32 ( Lighting Software)

## Personnel Info:-

- Passport No. **R2136234**
- Expiry date:06/07/2027
- Nationality:- Indian
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- Contact no  
**+91-7624912761 / 91-8123323713(INDIA)**

# Sathisha Kowri Subramanya

## **Sr. Electrical Designer (March 2018 to Jun 2020)**

### **Petrofac Sharjah (UAE)**

<b>Client</b>	<b>Rumaila oilfield in Southern Iraq</b>
Project Title	<b>Rumaila Operating Organization (ROO)</b>
Project Title	<b>Dehydrator and Desalter (D&amp;D) Project&amp; Custer Pump Station Water Injection System (CPS06&amp; CPS07)</b>
	Detailed Design & Engineering, Procurement and Construction Management for Dehydrator and Desalter Project Cluster Pump Station Water Injection System (CPS06)
Description	The scope of work includes Detailed Design & Engineering, Procurement and Construction Management for Dehydrator and Desalter Project. The objective of this Electrical job note is to give guidance on the work methods and practices to be adopted for the execution of the Electrical discipline scope of work for the Dehydrator and Desalter (D&D) Project
Responsibilities	Preparation of Layouts:-Lighting, Earthing, Cable routing, AVEVA PDMS Modelling (Lighting, Equipment Modelling, Trench routing, Cable tray). Single line diagram, Lighting calculation (AGI32 software).
Site Location	Southern Iraq

<b>Client</b>	<b>Rumaila oilfield in Southern Iraq</b>
Project Title	<b>Rumaila Operating Organization (ROO)</b>
Project Title	<b>Power System Improvement &amp; Vulnerability Study – Phase 1 Degassing Stations</b>
	The objective of this document is to demonstrate, the configuration and adequacy of electrical power system design, meets the load demand of the new D&D packages, DS04 Train 1 and Train 2. This will include the normal power supplies for 6.6kV and 400V distributions as well as emergency back-up supply from a 400V Emergency Diesel Generator.
Responsibilities	Preparation of Single line diagram based on site markup, Vendor (GA) drawings updating.
Site Location	Southern Iraq

## **Sr. Electrical Designer (Aug 2012 – Feb 2018)**

### **Technip Abudhabi (UAE)**

<b>Client</b>	<b>ADMA OPCO on behalf of AL-YASAT Petroleum Operations Company</b>
Project Title	<b>BU Haseer full field development (FFD) Project - Feed</b>
Description	Bu Haseer FFD FEED Scope includes 5 packages with major package is offshore package that includes new WHT-BH2 in southern part of Bu Haseer field, modification of WHT-BH1 for additional producers and injectors, 33kV composite subsea cable & oil pipeline between WHTs & Water Injection pipeline & subsea FO cable from Zirku SARB to WHT-BH2. The other packages include brownfield modification at DAS Island, Zirku Island (SARB), ESP module interface work at BH1 & BH2. The modification at DAS island includes additional equipment (new separator/ scrubber/ chemical injection skid & Produced water treatment plant)..
Responsibilities	Preparation of Lighting, Earthing, Cable routing, AVEVA PDMS Modelling (Lighting, Equipment Modelling). Single line diagram.
Site Location	Abu Dhabi

<b>Client</b>	<b>ADMA, ZADCO &amp; TAKREER</b>
Project Title	<b>CRUDE OIL FEED (ADMA, ZADCO &amp; TAKREER) FEED PROJECT</b>
Description	Design requirements for the electrical power and distribution systems for COMPANY installations located onshore Zirku island ZADCO facilities to be constructed and / or modified as part of FEED project for crude oil export from Zirku to Takreer (RRW). Where particular or differing requirements exist for a particular location, these will be identified separately. The basic technical features and general guidelines are identified for the design and engineering aspects'
Responsibilities	Preparation of Lighting, Earthing, Cable routing, Equipment Layout, Lighting Calculation AVEVA PDMS Modelling (Lighting, Equipment Modelling). Single line diagram.
Site Location	Abu Dhabi

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## Client ADCO

### Project Title

### AI HOSN GAS FEED PROJCT

### Description

Abu Dhabi Gas Development Co. Ltd. (Al Hosn Gas) has developed the Shah Gas Field and executed the Shah Gas Development (SGD) Program. This large-scale gas project is located 180 km southwest of the City of Abu Dhabi in the United Arab Emirates (UAE).

As part of the main process plant there are four Sulphur Recovery Units (SRUs) designed for a total of 10,000 TPD. Sulphur is transferred to the Sulphur Granulation Station, located approximately 11km north, via a pipeline. Two x 100% pipelines are installed, 12" each in diameter and are heated using a Skin Effect Electrical Tracing (SEET) system. One existing Sulphur pipeline is out of service due to damage suffered during a freeze and re-melt operation.

Al-Hosn Gas is considering increasing the capacity of the main gas processing plant which may increase Sulphur production by as much as 50%.

Technip FMC - Abu Dhabi as ENGINEER, have been awarded to execute the Pre-FEED and FEED Services for New Sulphur Pipeline

### Responsibilities

Preparation of Lighting, Earthing & Cable routing Layout, Equipment layout, Single line diagram.

### Site Location

Abudhabi

## Client ADMA-APCO

### Project Title

### Umm Lulu (ULL FFD Phase II

### Description

ADMA-OPCO is developing several new fields in its offshore concession areas i.e. Umm Lulu (UL), Satah Al Razboot (SARB) and NASR. The new program objective is aligned and integrated with ADMA-OPCO's mid-term total sustainable production target of 1 MMSTBOPD.

Umm Lulu Full Field Development (ULFFD) Project is developed in two phases:

Phase -I: Early Production System (EPS) with Minimal Facilities in Umm Lulu Field and processing of Umm Lulu well fluids through 12" trunk line to Umm Al Dalk (UAD) and Zakum Central complex to Zirku Island.

Phase -II: Full Field Development (FFD) producing to Zirku Island. The ULFFD Project Phase II is further divided into two EPC packages. Package-1 includes six new Wellhead Towers, all risers, and infield pipelines, 20" Main Oil Line, Riser Platform Jacket, Brownfield Tie-ins and Modification to EPS Wellhead Tower Platforms WHT-4 & WHT-6.

Package-2 includes Umm Lulu Super Complex (ULSC) and infield subsea "composite power and fibre optic" cables from ULSC to WHTs and in-between WHTs.

### Responsibilities

Preparation of Lighting Calculation, Lighting circuit booklet, JB Schedule.

AVEVA PDMS Modelling (cable tray, Lighting, Equipment & cable tray supports).

### Site Location

Abudhabi

## Client BASRAH GAS COMAPNY, IRAQ

### Project Title

### IRAQ SOUTH GAS UTILISATION-Shell Epc & Main Contarctor

### Segment

Onshore (Reimbursable -DETAIL ENGINEERING)

### Description

COMPANY requires inspection assessment and rehabilitation of the FACILITIES. SHELL CONTRACTOR will define, through Work Orders, the scope of work, followed by engineering, procurement and construction management services to rehabilitate the FACILITIES.

### Responsibilities:

Involved in the preparation of Single Line Diagrams Preparation of Lighting Layouts, Cable routing Layouts, Preparation of MTO.

### Site Location

IRAQ

## Client DUBAI RASHID-C PLAT FORM

### Project Title

### RASHID-C PLAT FORM

### Segment

Offshore (DETAIL ENGINEERING)

### Description

Dubai Petroleum Establishment (further referred to as "DPE") initiated the Jalilah and Rashid Re-Development in 2012 as a 3 phase project.

Phase 1, being the Jalilah B platform and pipelines are currently under construction.

Phase 2 includes a new 12 slot wellhead platform named 'Rashid C', and will be connected to the existing Fateh field complex. The design and layout of the platform will be very similar to the Jalilah B platform. The Rashid field lies approximately 75 km offshore and the Fateh Complex lies approximately 95km offshore Dubai.

### Responsibilities:

Involved in the preparation of Single Line Diagrams Preparation of Lighting Calculation AVEVA PDMS Modelling (cable tray, Lighting, Equipment & cable tray supports)

### Site Location

Dubai

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## **Client ABUDABI OIL COMAPANY (ADOC)**

Project Title	<b>FEED OF EPS FOR SURFACE FACILITIES OF HAIL FIELD DEVELOPMENT PROJECT</b>
Segment	Offshore (FEED)
Description	The project is development aims to achieve a peak oil production of 21,000 BPD from the Hail oil field. The oil shall be produced from the Thamama Zone A, B and F reservoirs and require some gas injection and gas lift for oil recovery. This will be implemented in two phases as follows: Early Production Scheme (EPS) phase: Minimum facilities (oil wells, MPFM for well test facilities, subsea pipelines (including pig traps), slug catcher, production separator and tie-ins to Mubarratz). Full Field Development (FFD) phase: Addition of spare production separator, gas compression facilities, gas dehydration, water treatment facilities and commencement of gas lift / gas injection operation
Responsibilities:	Involved in the preparation of Single Line Diagrams Preparation of Lighting Calculation & all layouts (Power & Lighting)
Site Location	Dubai

## **Client SABIC-MITSUBISHI RAYON CO.LTD**

Project Title	<b>MMA PMMA PALNT PROJECT</b>
Segment	Onshore (Proposal)
Description	The project for Methymethacrylate (MMA) & Poly Methymethacrylate and Process Design Package
Responsibilities:	Proposal Activities like Checking of FEED documents, Cable sizing, Preparation of cable schedule, studying of FEED cable routing, Earthing, Lighting layout, Lighting calculations. Selection of earthing cable sizes in relation with electrical equipment. MCT sizing Produced Final MTO (Bill of Quantities) & Price schedule (sub-contractor quantities), Canvassed FEED documents. Studied Grounding, Lighting philosophies and either suitability to project, Interdisciplinary Coordination, Clarifications with Estimation Engineers & Participation in internal team reviews
Site Location	Ibn-Sina, Al-jubilee Industrial city, Kingdom of Saudi Arabia

## **Client TATWEER PETROLEUM**

Project Title	<b>NAG-LTFD PHASE-1</b>
Segment	Onshore (Proposal)
Description	Tatweer petroleum operates Awali Non-Associated Gas (NAG) in Bahrain, which began production in 1960, Forty-five operating wells produced up to 66 MMNCFD each through 43 Gas Dehydration Units.
Responsibilities:	Proposal Activities like Checking of FEED documents, Cable sizing, Preparation of cable schedule, studying of FEED cable routing, Earthing, Lighting layout, Lighting calculations. Selection of earthing cable sizes in relation with electrical equipment. MCT sizing Produced Final MTO (Bill of Quantities) & Price schedule (sub-contractor quantities), Canvassed FEED documents. Studied Grounding, Lighting philosophies and either suitability to project, Interdisciplinary Coordination, Clarifications with Estimation Engineers & Participation in internal team reviews
Site Location	Bahrain.

## **Client ADCO**

Project Title	<b>RUMAITHA/SHANAYEL</b>
Segment	Onshore (Proposal)
Description	The project for replacement of these critical lines as Phase-1 is planned to be executed on fast track basis for which the project execution strategy is to carry-out FEED and followed by competitive EPC award.
Responsibilities:	Proposal Activities like Checking of FEED documents, Cable sizing, Preparation of cable schedule, studying of FEED cable routing, Earthing, Lighting layout, Lighting calculations. Selection of Earthing cable sizes in relation with electrical equipment. MCT sizing Produced Final MTO (Bill of Quantities) & Price schedule (sub-contractor quantities), Canvassed FEED documents. Studied Grounding, Lighting philosophies and either suitability to project, Interdisciplinary Coordination, Clarifications with Estimation Engineers & Participation in internal team reviews
Site Location	Abu Dhabi

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## Client **ADMA**

Project Title

Segment

Description

### **ZAKUM OIL LINES REPACEMENT PROJECTS**

Offshore (FEED)

The project for replacement of these critical lines as Phase-1 is planned to be executed on fast track basis for which the project execution strategy is to carry-out FEED and followed by competitive EPC award.

Responsibilities:

Involved in the preparation of Modelling & Layouts. Modelling of all Electrical details such as Trays, Equipment's, Junction box etc. in PDMS. Preparation of Lighting, Grounding, Power Layouts.

Site Location

Abu Dhabi

## Client **YEMEN**

Project Title

Segment

Description

### **YEMEN LEQUIFIED NATURAL GAS PROJECTS**

Onshore (EPC-Detail Engineering)

Yemen LNG Company Limited (YLNG) in association with Safer Exploration and Production Operations Company (SEPOC) are developing the existing & new Oil & Gas facilities in Block 18 close to Marib city in Yemen. As part of the association for this present Project termed as 'Yemen LNG Upstream Project' the COMPANY is responsible for the Engineering and Procurement services and SEPOC is responsible for Construction and Commissioning services

Responsibilities:

Preparing & Drafting of all electrical drawing such as cable tray, lighting & equipment, power layouts in AutoCAD.

Site Location

YEMEN

## **Sr. Electrical Designer (Jan 2010 – Aug 2012)**

### **SIDVIN CORE-TECH(I) PVT LTD**

#### Client **PETROBRAS**

Project Title

Segment

Description

### **FPSO BALEIA AZUL**

Offshore (FPSO -Detail Engineering)

The FPSO shall be designed to produce oil and gas at the Baleia Azul Field, and will be installed in a water depth of approximately 1221 meters. The original FPSO and its mooring system were designed for 16 year design life and were classed according to the rules and regulations of American Bureau of Shipping (ABS). At the new location, the FPSO shall have a design life of 18 years without dry-docking and shall be classed in accordance with ABS rules.

Responsibilities:

Involved in the preparation of following AVEVA PDMS Modelling/Layouts. AVEVA PDMS Modelling of all Electrical details such as Trays, LCS, Equipment's, Junction box etc. in AVEVA PDMS. Drafting extraction of all electrical drawing such as cable tray, lighting & equipment layouts in PDMS Draft.

Site Location

Brazil.

## Client **UK Continental Shelf (UKCS) SCHIEHALLION**

Project Title

Segment

Description

### **BP QUAD 204**

Offshore (FPSO -Detail Engineering)

BP intends to upgrade the production facilities on the UK Continental Shelf (UKCS) Schiehallion Field by replacing the existing FPSO with a new FPSO which is to be moored in the same location using new anchors and anchor lines. In this perspective, BP awarded to SBM the contract covering the FEED and the EPC of the complete Turret Mooring System (TMS).

Responsibilities:

Involved in the preparation of following AVEVA PDMS Modelling/Layouts. Modelling of all Electrical details such as Trays, LCS, Equipment's, Junction box etc. in PDMS. Drafting extraction of all electrical drawing such as cable tray, lighting & equipment layouts in AVEVA PDMS. Extraction & preparation of Lighting Layouts Preparation of Lighting Calculation Preparation of Tray Sizing calculation.

Site Location

Brazil

## **Sr. Electrical Designer (Jan 2009 – Dec 2010)**

### **Technip India Pvt. Ltd. Chennai**

#### Client **Saudi Armco- Saudi Arabia**

Project Title

Segment

### **JUBAIL EXPORT REFINERY PROJECT PACKAGE 2A**

Onshore (EPC-Detail Engineering)

# Sathisha Kowri Subramanya

Description	The main objective of the Project is heavy Crude oil into Gasoline, Jet fuel & LPG products for export & local consumer the project involves the detailed Engineering of petroleum refinery Plant.
Responsibilities:	Preparation of Electrical Substation Equipment Layout.Preparation of Grounding & Power Layouts Preparation of Bill of Materials or Material Take Off.
Site Location	Al-jubil Industrial city, Kingdom of Saudi Arabia

## **Sr. Electrical Designer (March 2008 – Dec 2009)**

### **CHEMTEX CONSULTING OF INDIA PVT LTD.,**

**Client SIEMENS**

Project Title	<b>ENERGY WORLD COPRORATION, INDONESIA</b>
Segment	Onshore (FEED)
Description	The main objective of the Project is heavy Crude oil into Gasoline, Jet fuel & LPG products for export & local consumer the project involves the detailed Engineering of petroleum refinery Plant.
Responsibilities:	Preparation of Electrical Power Layout.Preparation of Cable trench & Power layouts.
Site Location	Indonesia

## **Sr. Electrical Designer (June 2006 – March2008)**

### **TECNICAS REUNIDAS MADRID, SPAIN (SA)**

**Client Saudi Armco**

Project Title	<b>BOROUGE-2, Abu Dhabi (UAE)</b>
Segment	Onshore (EPC Detail Engineering)
Description	TR Group has a long list of references covering Feasibility Studies, Basic Engineering and Process Units Validations in FEED projects either with own technology or technologies from Clients or Licensors. These activities are supported by the experience obtained from more than 50 years of Project execution in Refining, Chemistry and Energy areas.
Responsibilities:	Preparation of Sub-station Electrical Equipment Layout. Preparation of Installation drawing of Lighting, Power & control & Grounding. Preparation of Electrical Cable routing layout (Trench & Tray) Grounding Layout, Substation Cable tray routing
Site Location	Abu Dhabi (UAE)

## **Sr. Electrical Designer (Sept 2003 – May 2006)**

### **Rotary MEC Engineering India Pvt. Ltd.**

**Client MAP TA PHUT Olefins Co. Ltd.-Thailand**

Project Title	<b>TAHI TANK TERMINAL – Tank Farm Unit, Thailand</b>
Segment	Onshore (EPC Detail Engineering)
Description	The project involves the detail Pre-Bid Engineering of Integrated petroleum refinery Plant
Responsibilities:	Preparation of Sub-station Electrical Equipment Layout. Preparation of Installation drawing of Lighting, Power & control & Grounding. Preparation of Electrical Cable routing layout (Trench & Tray) Grounding Layout, Substation Cable tray routing.
Site Location	Thailand

**Client UT -SINGAPORE**

Project Title	<b>UNIVERSAL TANK – Tank Farm Unit</b>
Segment	Onshore (EPC Detail Engineering)
Description	The project involves the detail Pre-Bid Engineering of integrated petroleum refinery Plant.
Responsibilities:	Preparation of Sub-station Electrical Equipment Layout. Preparation of Installation drawing of Lighting, Power & control & Grounding. Preparation of Electrical Cable routing layout (Trench & Tray) Grounding Layout, Substation Cable tray routing.
Site Location	Singapore

**Client MAP TA PHUT Olefins Co. Ltd. - Thailand**

**Project Title OIL TANKING – Tank Farm Unit**

# Sathisha Kowri Subramanya

Segment	Onshore (EPC Detail Engineering)
Description	The project involves the detail Pre-Bid Engineering of integrated petroleum refinery Plant.
Responsibilities:	Preparation of layout drawing for Hazardous Area classification. Preparation of Cable rack, Grounding, Substation equipment location Layout Preparation of lighting calculation using lighting software like Philips, Chalmite.
Site Location	Thailand

## **CAD ENGINEER(Dec 1996 – Aug 2003)**

### **PIXEL INFOTEK PVT LTD., BANGALORE-INDIA**

Description	PIXEL INFOTEK PVT LTD is leading CAD/CAM/GIS SOLUTION Provider based in Bangalore & has tie up with IMMCO INC USA
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Responsibilities:	Road maps & Cable TV networking using MicroStationSoftware (Cad &GIS works)
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Site Location	USA
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## **CAD ENGINEER(Nov 1995 – Nov 1996)**

### **International Computech Engineering Service Pvt. Ltd., Bangalore**

Description	International Computech Engineering Service Pvt Ltd is a CAD/CAM/GIS solution Provider based in Bangalore
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## **Apprentice Trainee (1994 – 1995)**

Description	Technical Apprentice Trainee-Industrial training
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