

# MURALI SUDARSAN

Mobile No: - +65 86667059  
E-Mail: murali.sudarsan@gmail.com

*Aspires to pursue assignments in Electrical Design engineering with a commitment to continuous learning and skill development in line with mission and vision of the organization*

## Electrical Design Engineer - Oil & Gas Industry

AREAS OF EXPERTISE	PROFILE SUMMARY
Design Engineering	<ul style="list-style-type: none"><li>A focused professional having sound exposure in Electrical Design Engineering with <b>over 10 years</b> of experience</li><li>Skilled in preparing engineering designs drawings of Electrical Systems &amp; technical specifications for ensuring smooth execution of large projects within the time and cost parameters</li><li>Experience in the preparation of single line diagram such as Key SLD, 22kV,11kV, 6.6 kV,3.3kV, 0.415 kV and so on</li><li>Experience in preparation of various layouts ,Calculations &amp; System study.</li><li>Strong ability to create &amp; interpret engineering drawings with proficiency in designing &amp; developing new layouts in conformance to pre-defined technical specifications &amp; Standards</li><li>Experience in planning &amp; controlling engineering schedules , skills in conceptualising and effecting process initiatives to enhance efficiency &amp; productivity</li><li>Talent for proactively identifying &amp; resolving problems and ramping up project activities on time</li></ul>
Vendor Drawing Review	
Project Management	
Equipment Inspection	
Client & Site Coordination	

## ORGANIZATIONAL EXPERIENCE

Since Aug 2012	<b>Rotary Engineering Limited, Singapore as Senior Design Engineer – Electrical</b> Rotary is one of the region's leading oil and gas infrastructure services Company with extensive International experience in offering fully integrated engineering design,Procurement and Construction (EPC) services to the Oil and Gas, Petrochemical and Pharmaceutical Industries
Oct'06 to Jul'12	<b>AEGIS LTD-ESSAR Engineering Services Division,India as Deputy Manager– Electrical Design</b> ESSAR Engineering Services Limited (EESL) subgroup of diversified ESSAR Group offers detailed Design and construction management services for up gradation, expansion and grass-root based Projects for Oil & Gas, Petrochemicals, Power and Steel Projects

### Key Result Areas:

- Responsible for preparing Layouts like Hazardous Area classification, Lighting Layout, Cable and Power layout, Substation Equipment layout, Earthing & Lightning Protection Layout, Public Address system Layout
- Looking after deliverables which involves Equipment Summary List, Load Summary, Transformer Sizing, System study, Cable Sizing, Cable Schedule, Lighting Calculation, Earthing Calculation, Lightning protection Calculation, UPS Sizing Calculation, DG Sizing Calculation and Interconnection Diagram
- Providing procurement supports for various functions like Material & Purchase Requisition, Technical Bid Evaluation and Specification & Data Sheets
- Inspecting various equipment like LV & MV Bus Duct, LV & MV Switchgear, Cables, Transformer ,AC / DC UPS
- Reviewing Vendor Drawings for Transformers, Switchgears, Cables, Distribution Boards, Junction Box, LCS, Motors
- Preparing deliverables adhering to the project schedule as per the institutional requirements of the clients
- Co-ordination meeting with Client, Vendor, Construction team to meet the requirements
- Finalising requirements and specifications in consultation with Engineering Consultants / Collaborators, External Suppliers, Contractors & Clients
- Carrying out project activities entailing requirement gathering and final execution of projects
- Providing proper assistant to site activities in line with design documents
- Tender & FEED works which involves Feasibility study & MTO estimation works.

## MAJOR PROJECTS HANDLED

### Rotary Engineering Limited - Singapore

#### ❖ ENGINEERING & FEED PROJECT

- Jetty Expansion Project -OIL TANKING Singapore
- Lube Oil Blending Plant –TOTAL Singapore
- Lube Park Shared Facility FEED study – Singapore
- JET Fuel Tank farm Expansion– OIL TANKING Singapore
- Jetty 10 Modification Project – OIL TANKING Singapore
- PUMA Energy Oil terminal FEED Study -PUMA , Myanmar

#### ❖ TENDER WORKS

- TOTAL Lube Oil Blending Plant -Singapore
- Tankfarm & Jetty Expansion Tender works -Oil tanking Singapore
- Oil terminal Expansion works -Vopak Malaysia
- Oil terminal Expansion works -Vopak Australia

### Aegis Ltd. - ESSAR Engineering Services Division – Mumbai (India)

- AVU / LPG unit - Indian Oil Paradeep green field Refinery Project
- CDU/ VDU unit revamp -STANLOW Refinery Project -STANLOW, UK
- Cooling Water tower unit-STANLOW Refinery Project -STANLOW, UK
- Waste Water Treatment unit-STANLOW Refinery Project -STANLOW, UK
- OSBL area Substation -STANLOW Refinery Project -STANLOW, UK
- Isomerization Unit & Its Substation Engineering - ESSAR OIL LTD – JAMNAGAR Refinery Project
- Aviation Oil Manufacturing Unit - ESSAR OIL LTD –JAMNAGAR Refinery Project
- Crude & Product Storage Tankfarm - ESSAR OIL LTD –JAMNAGAR Refinery Project
- Sulphur recovery unit revamp - Site engineering & commission ESSAR OIL LTD –JAMNAGAR Refinery Project

## EDUCATION

(2002-2006) BE Electrical & Electronics from Pallavan college of Engineering, Anna University, India

## SOFTWARE SKILLS

- AutoCAD 2015, Advance M/s Office, Excel
- ETAP
- Chalmrite, Dialux Luxicon, SAP- MARIAN,

## PERSONAL DETAILS

Date of Birth : 6<sup>th</sup> January 1985  
Gender : Male  
Marital Status : Married  
Nationality : Indian  
Languages Known : English, Tamil & Hindi  
Current Address : Blk 138,10#391,Bukit Batok west ave 6,Singapore -650138  
Permanent Address : No-11 ,Rajendra Giri singh Street, Jothi nagar,Arakkonam-631003  
Vellore Dist,Tamilnadu,India