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FALCON ID # 31334

Maintenance / Mechanical Engineer - Statistic Equipments

Residential Country : Singapore Nationality : India  
Resume Title : Mechanical Engineer (Static Equipment) Notice Period : 1 Days

## EDUCATION

Qualification	Institute / College /university	Year	Country
B E / B Tech	Kurukshetra University	2005	India

## CAREER SUMMARY

Position	Employer	Country	From Month/ Year	To Month/ Year
Mechanical Static Engineer	Reputed Company	Singapore	05/2012	/
Mechanical Engineer	Chiyoda Singapore Pte Limited	Singapore	01/2011	05/2012
Deputy Manager	Essar Engineering Services Limited	India	02/2007	12/2010
Trainee & Engineer	Q.h.t Group, Gurgaon	India	12/2005	02/2007

## ADDITIONAL CERTIFICATE AND TECHNICAL QUALIFICATION

Name Of The Course	Course Date	Valid Upto	Name Of Organisation
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Current Salary  
(Monthly In Usd): Not Mention

Expected Salary  
(Monthly In Usd): Not Mention

Additional Skills :

Representative work experience includes:

? Reputed Company :– Designation: Mechanical Static Engineer

(Project Role: Engineer & Mechanical Lead Engineer) - (From May 2012 to present):-

? Shell Alliance Projects, Bukom Refinery Singapore: Working as Lead Mechanical Engineer (project designation) for Shell project

and involving in various types of type jobs. Following major projects under cafEE program

targeted to enable Shell Bukom Refinery

to move towards Solomon top quartile in Energy Intensity Index (EII) and sustainability program for reducing CO2 emissions from

the site. Portfolio involves Feed & Detailed engineering activities of Static equipment for various units like:-

- Platformate Separation Unit, 3500 tpd cap

- Crude Distillation Unit-3, 16000 tpd cap.

- Crude Distillation Unit -4, 16500 tpd cap.

- Ethylene Cracker Unit (ECC)

- Long Residue Catalytic Cracker Unit.

- Platformer 3 Unit, 1800 tpd.

Job covers following extra activities:-

- Re-rating of Static equipment & Drawing generation and modification/updation.

- Site survey, Site meetings and coordination.

- Shell Platformate Separation Unit (PSU) Project: - This unit is part of the Shell Bukom Refinery, Singapore (expansion

project). This project includes the following Static equipment:-

a) Platformate Column and Column internals (C-0301):- . Portfolio involved detailed engineering and replacement of

existing Column with new Column and internals at site. Column engineering and replacement completed successfully and

project executed as per schedule time at site.

? Achievement:-

- Re-solved Natural Frequency and Induced Vibration problem of Platformate Column (C-0301) and

equipment details are as follows:-

Client\Plant : - Shell Eastern Petroleum (PTE) Ltd. (SEPL)\ Shell Bukom Refinery, Singapore.

Unit Name : - Platformate Separation Unit.

Job Type : - Replacement of existing Column (I.D1650 MM (upper section) X 3450 MM (lower section)) with uniform diameter Column (I.D 3450MM) using existing foundation and anchor bolts.

Equipment : - Platformate Column

Service : - Benzene (Very Toxic)

Design Code: - ASME Section VIII Div. 2

Dimensions : - Height: 62.5M & Diameter: 3.45M

L/D Ratio : - 17.9

b) Heat Exchangers (E-0301 A/B):- Portfolio involved detailed engineering of new Heat Exchangers. Heat Exchangers

engineering completed successfully and project executed as per schedule time at site.

- Shell Crude Distillation Unit (CD3) Project: - This unit (CD3) is part of the Shell Bukom Refinery, Singapore (expansion

project). This project includes the following Static equipment:-

a) Column & Column Internals (C-2507):- . Portfolio involved detailed engineering and modification of existing Column at

site due to modification of Column external and internal components like new 30" Nozzle,

Manhole, Column inside Baffle

plate and Vortex breaker. Column modification completed successfully and project executed as per schedule time at site.

b) Vessels (V-2530 & V-2531):- Portfolio involved detailed engineering of new Vessels. Vessels engineering completed

successfully and project executed as per schedule time at site.

c) Re-Boiler (E-2582):- Portfolio involved detailed engineering of new Re-boiler. Re-boiler engineering completed

successfully and project executed as per schedule time at site.

d) Heat Exchangers (E-2534C & E-2544A/B):- Portfolio involved detailed engineering of new Heat Exchangers. Heat

Exchangers engineering completed successfully and project executed as per schedule time at site.

e) Vessel (V-5407):- Portfolio involved engineering and modification of existing Vessel at site due addition of new Instrument

nozzles. Vessel modification completed successfully and project executed as per schedule time at site.

f) Furnace (F-2502) Duct Modification: - Portfolio involved engineering of new duct Flange and modification of existing

Duct. Duct modification completed successfully and project executed as per schedule time at site.

• Shell Crude Distillation Unit (CD4) Project: - This unit (CD4) is part of the Shell Bukom Refinery, Singapore (expansion

project). This project includes the following Static equipment:-

a) Heat Exchangers (E-7547, E-7548A/B, E-7549 & E-7550):- Portfolio involved detailed engineering of new Heat

Exchangers. Heat Exchangers engineering completed successfully and project executed as per schedule time at site.

• Shell Ethylene Cracker Unit (ECC) Project: - This unit (CCR) is part of the Shell Bukom Refinery, Singapore (expansion

project). This project includes the following Static equipment:-

a) Hg Adsorber Vessel (V-11143):- . Portfolio involved detailed engineering of new Vessel. Vessel engineering completed

successfully and project executed as per schedule time at site.

b) Instrument Air Vessel (V-11142):- Portfolio involved detailed engineering of new Vessel. Vessel engineering completed

successfully and project executed as per schedule time at site.

c) Hg Adsorber Filters (S-11113A/B):- Portfolio involved detailed engineering of new Filters. Filters engineering completed

successfully and project executed as per schedule time at site.

## Additional Information :

At Chiyoda Corporation (Chiyoda Singapore Pte Limited, Singapore):- Designation: Mechanical Engineer (Project Role: Asst.

Lead Engineer & Senior Engineer) - (Duration from Jan. 2011 to May 2012) :-

?LEO + SILVER: Asst. Lead Engineer (project designation) for Shell Bukom, Singapore

LEO+SILVER Feed projects and responsible

for the Feed engineering of the Static equipment. Portfolio involved activities like preparation of Feed engineering package including

Mechanical data sheet, requisition & TBA of static equipment to estimate the project cost within +- 10% for LEO & SILVER units.

?SCOT & BUGIS: Senior Engineer (project designation) for Shell Bukom, Singapore SCOT &

BUGIS Greenfield projects (EPC) and responsible for the Detailed engineering of the Static equipment for the SRU unit. Portfolio involved detailed engineering activities to complete the engineering and successful commissioning of Static equipment at Shell Bukom Refinery, Singapore.

Note: - I was selected by Chiyoda Corporation, Japan office and Chiyoda offered positions for Singapore & Qatar offices.

? At ESSAR Group (Essar Engineering Services Limited, Mumbai) – Designation: - Deputy Manager (Project Role: Lead Engineer, Sr. Engineer & Engineer) - (Duration from Feb. 2007 to Dec. 2010):-

?Delayed Coker Unit (6MMTPA): Lead Engineer (project designation) for the Delayed Coker Unit (DCU) Greenfield project (EPCM).

DCU unit is part of the ESSAR Oil Refinery, Vadinar expansion project from 14MMTPA to 18MMTPA. Responsible for detailed

engineering of all Static equipment. Portfolio involved detailed engineering activities and engineering coordination with Licensor

(CB&I) to complete the engineering and successful commissioning of all equipment at Essar Refinery, Vadinar site.

Deputation: - This project includes 1 year deputation at AKER Solution office, Mumbai.

?Naphtha Hydro treating Unit & Catalytic Reforming Unit: Sr. Engineer (project designation) for the Naphtha Hydro treating Unit

(NHT) & Catalytic Reforming Unit (CCR) Greenfield project (EPCM). NHT and CCR units are part of the ESSAR Oil Refinery,

Vadinar expansion project from 14MMTPA to 18MMTPA. Portfolio involved detailed engineering activities to complete the

engineering and successful commissioning of all equipment at Essar Refinery, Vadinar site.

?Ammonia Plant: Lead Engineer (project designation) for Ammonia Plant. Ammonia plant is part of the Matix Group, Mumbai.

Portfolio involved weight estimation of Static equipment (within +- 10%) as per Licensor process datasheet information. This activity

was carried out before starting of Detailed engineering activity and project Aim was to support the Procurement & Estimation groups

to estimate the project cost at early stage of project.

Deputation: - This project includes 6 months deputation at Matix (Client) office, Mumbai.

?Estimation Projects: - Worked as Asst. Lead engineer for the following estimation projects and portfolio involved Man-hours

estimation for Detailed engineering activities:-

Education : Degree of Bachelor in Technology, Mechanical Engineering (2001-05) with 67.8% from Kurukshetra University, India.

Training : Design and drafting software's like PV-Elite, Compress & Auto-Cad, In-house training on ISO, Heat exchanger design & Column internals.