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FALCON ID # 21864

Oilfield Services / Senior Process /process Engineer

Residential Country : India Nationality : India
Resume Title : Senior Process Engineer Notice Period : 30 Days

EDUCATION

Qualification	Institute / College /university	Year	Country
B E / B Tech	Visveswaraiah Technological University	2006	India

CAREER SUMMARY

Position	Employer	Country	From Month/ Year	To Month/ Year
Senior Process Engineer	Reputed Company	India	12/2010	05/2015
Process Engineer	Abdul Aziz Kamel And Partners (Akp) Engineering Co	Saudi Arabia	02/2009	07/2010
Process Engineer	Rallis India Limited	India	07/2006	01/2009

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 :

Summary

Design of Fractionator overhead drum , blow down column overhead drum , debutanizer overhead

drum , fuel gas knock out drum , Absorber stripper feed drum, heater charge pumps, LCGO / HCGO product and pump around pumps, Kettle type steam generators, desuperheater, condensate pots, Pressure relief valves , Interlock logic descriptions and Instrument datasheets. For Petron Detailed Engineering Package I was involved in design verifications like PSV inlet / outlet line and other critical line hydraulic calculations. Verification of PSV loads based on actual sized exchangers and equipment elevations. Updating pump calculations, Preparation of Non critical instrument datasheets etc.

FEED Package Preparation of AQUACONVERSION® Upgrader Refinery

Main fractionators Unit,
Catalyst Preparation unit and
Aqua conversion reactor unit.

Gas Treatment Unit

Sizing of Sponge absorber column, Naphtha stripper, Main fractionator PSV, Sizing of fractionator overhead drum P&ID development, complex control loop descriptions and other deliverables as mentioned for delayed Coker projects

Additional Information :

Technical skills:

Process Simulation (Hysys / Pro II)

Perform flash calculations to get relief vapor properties, relieving temperatures, and latent heat for fire relief case. Vaporization across a control valve and estimate fuel gas properties based on composition.

Column Sizing (KG Tower)

Perform column hydraulics using KG tower to estimate column diameter with acceptable flood limits. Calculating column length based on calculated diameter, actual trays and surge volume required at the column bottom. Draw off nozzle sizing, reboiler hydraulic calculation and datasheet preparation.

2 phase / 3 phase Separator Sizing

Sizing calculation of 2 phases and 3 phases Oil / Water / Gas Separators based on operating pressure, Allowable vapor velocity, hydrocarbon and water hold up time requirements. Calculating design temperature and Pressure for the vessel and preparing vessel specification.

Pump Calculations

Perform NPSH calculations to estimate vessel elevation. Estimate control valve pressure drop, Maximum suction pressure, Maximum shut off head, Pump efficiency and power consumption for pump datasheet.

PSV Calculations

Analysis of various overpressure scenarios, relief load and relief vapor properties estimation and orifice sizing for PSV's installed on Column, Fuel gas KOD, Feed surge drum, heat exchanger etc.

Single / Two Phase flow Line sizing and detailed line hydraulics

P& ID Development for column, exchanger, pressure vessels and fired heater.

Heat Exchanger sizing to estimate preliminary dimensions for wetted area calculation.

Interlock Logic Descriptions

Complex Control Loop Narratives

Pressure Profile Calculations for pumped, non pumped and gravity flow lines.

Control valve Sizing to estimate wide open flowrate.

Vessel and Instrument Datasheets