

SIVAKUMAR KOOTHAYYAN

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Summary

Deadline-driven and customer-focused Project Engineer with 11 years career experience in semiconductor and other engineering field. Highly adept in multi-site management business development and personnel acquisition and training. Exhibits strong organizational and time management skills.

Highlights

- BizSafe 3 (2017)
- Envirogen Filters and Process Training (2016)
- FSM - Fire Safety Manager Course (2015)
- Industrial First Aid Course (2015) - total of 10 years
- WAHA - Work at Height Course for Assessors (2015)
- Manage Project Team -Kaplan (2015)
- Project Planning - Microsoft Project 2010 (2014)
- Super Insulated Vacuum Line (SIVL) Training (2014)
- Develop A Risk Management Implementation Plan Bizsafe - level 2 (2014)
- WAH - Work at Height Course for Supervisor (2014)
- SCADA, Computer Integrated Training (2013)
- BCSS - Building Construction Supervisor Safety Course (2013)
- Perform PLC Programming (2013)
- Gas and Chemical Handling Training System (2010)
- Statistical Process Control (SPC) and Vacuum Technology (2008)
- Auto Cad 2007 Level 1 & 2 -2D/3D
- PLC - Programmable Logic Controller (2007)
- Supervisory Management (2000)
- ISO Documentation and Knowledge (2000)
- SMCT EP1-Electro Pneumatic Technology (1997)
- Quality Improvement (1997)

Accomplishments

Project Completion

- BOC Slurry Systems drain pipe modification project for in Siltonic@200- 4 systems (implemented DIW nozzle spray method).
- Successfully handover the Fire Retardant Coating project in Micron 10X solvent tanks within timeline- 2 Bulk Tanks and 10 Day Tanks.
- Installed, commissioned and tested of 8 nos - Air liquide CDM (Chemical Dispense Module) Systems and 3 nos- Blender Systems and successfully handover to customer within timeline. CDMs: H2SO4, HNO3, H3PO4, MSE2 ,RER900 & RER600 (Solvent) and Blenders: KP/STI (Slurry) Inline Blender & Batch Blender, TMAH/HF/DIW Blender in Micron 10W and 10X.
- Lateral Piping project work for PN2 and CDA SS line - Micron 10N.
- VMB Expansion Project - 8 VMBs in GF Fab 6.
- HC100 Chemical Dispense Modification Project -LPOC Project work in Micron 10N under M W Supervision.
- Metal Slurry Titrator Project -SemiChem APM 200 Titrator in Micron Fab 13.
- Tank Replacement, Dip Tube Station and Mini BCDS Projects in GF Fab 3/6.

Experience

Project / Sales Manager

Technolync Pte Ltd

11/2016 to Current

Singapore

Working as a Sales and Project Manager of a small business handling incoming orders, marketing, customer service, project execution and documentation works.

Responsibilities:

- Coordinate internal resources and third parties/vendors for the flawless execution of projects in Siltronic, Alcon, KMG, Denselight, GF and Faeth.
- Ensure that all projects are delivered on-time, within scope and within budget
- Developing project scopes and objectives, involving all relevant stakeholders and ensuring technical feasibility.
- Ensure resource availability and allocation.
- Develop a detailed project plan to track progress.
- Use appropriate verification techniques to manage changes in project scope, schedule and costs.
- Measure project performance using appropriate systems, tools and techniques.
- Performed all bookkeeping and accounting functions for business including budgeting, accounts payable and receivable using Xero system.
- Perform risk management to minimize project risks.
- Managed small business with goal of growth, minimizing losses, and efficiency.
- Create and maintain comprehensive project documentation.

Senior Project Engineer

Faeth Group Singapore Pte Ltd

08/2016 to 11/2016

Singapore

Responsibilities:

- Develop and execute the Micron 10X chemical operations turn key projects with multiple project engineers and managers within the region including engineering, procurement, owner's team, and external construction management consultants.
- Ensure accurate and timely reporting standards are maintained throughout the project(s).
- Coordinate and communicate projects group as needed on major projects in the Micron 10X.
- Establish the working relationship with operations management needed to facilitate the coordination and execution of project work, such that the operational impact is minimized.
- Ensure safety and QA/QC programs are established by all parties and maintained and conduct reviews of detailed design drawing and specifications.
- Participate in and lead risk assessments and actively manage the risks of the projects and the business.
- Prepare project estimates, budget, schedules and execution plans.
- Prepare and submit reports on the progress and status of the project
- Assist with project QA/QC and commissioning systems and documentation.

Project Engineer

Singapore Oxygen Air Liquide Pte. Ltd

10/2013 to 01/2016

Singapore, Singapore

Job Description

- In charged of chemical equipment systems hook-up and piping work, start-up, functional tests, commissioning, particle counting, chemical line certification work, chemical charge-in, etc.
- Planned and undertake all maintenance activities of live chemical systems.
- Prepare risk assessment, method statement, drawing and layouts to client prior to project.
- Modification and troubleshooting of chemical SCADA systems.
- Developed and conducted detailed training programs after commissioning of new chemical systems to train customers on routine applications.
- Assist Project Manager in preparing tender bidding documents which involves cost estimation for all the allocated projects.

- Provided a first point of contact for new business inquiries and technical advice for customers.
- Responded to customer emergency calls during and after office hours to provide technical support to customer to ensure no downtime and no safety violation.
- Carried out documentation work, such as handover document and testing reports.
- Created and updated project micro schedule as customer requirement.
- In charged as Safety Representative for CSS Department and EHS trainer in Global Foundries as Air Liquide main contractor.

Engineering Specialist

Seagate Technology International Pte. Ltd

12/2007 to 10/2013

Singapore, Singapore

Job Description:

- Specialization in Vacuums/ Sputtering Technology, Gas And Chemical Handling.
- Lead Cell C - W3 Plant as Team Leader to look installation (total 17 machines).
- Handled equipment setup, liaised with vendors, conducted training and supervised the new staff, conduct weekly safety and 5S check.
- Good knowledge in vacuum technology and machine trouble shooting on 250B Sputter Machine.

Senior Technician (Shift Leader)

Sony Display Device Pte. Ltd

09/1996 to 08/2007

Singapore, Singapore

Job Description

- Lead and supervise a team of technician and production assistant to meet targets production and maintain production machinery at maximum efficiency for picture tube manufacturing.
- Conducted weekly, monthly and yearly maintenance activity.
- Performed machine troubleshooting and implement countermeasures.
- Ensured all quality and safety checks are done according to procedures.
- Compilation and presentation of production reports.

Education

Bachelor of Science: Engineering Management

Coventry University U.K

2013

Singapore

- Bachelor Of Science (Hons) in Engineering Business Management
- 2nd Class (Lower)

GED: Mechanical Engineering

TAFE College

1995

Malaysia

- Diploma in Electro-Mechanical Engineering
- First Class

Personal Information

- Age & Date of Birth : 44 years (7 July 1974)
- Gender & Marital Status : Male / Married
- Languages : English, Bahasa Malaysia, Tamil
- License : Class 2B and 3
- Nationality : Malaysian / Singapore PR (S7465700A)