

THEENAGHARAN MUTHUSAMY



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Over 12 years' extensive experience in driving wide spectrum facilities management, utilities maintenance along with plant engineering operations towards achieving zero breakdowns and unplanned stoppages. Well versed in the areas of resource planning, asset management, project management along with workplace safety coupled with proven track record spearheading energy savings and cost reduction initiatives. Known as a self-driven and resourceful professional with sound leadership and people management qualities. Strengths include:

Facilities Management	Spares Control	Asset Management
Utilities Maintenance	Process Improvement	Energy Saving Initiatives
Plant Engineering	Workplace Safety	Team Management
Cost Reduction Initiatives	Project Management	Coaching & Mentoring

CAREER HIGHLIGHTS

- Successfully collaborated with an external vendor in implementing the condensate recovery system to existing boiler system resulting in savings of US\$18,000.
- Instrumental in planning and executing the revamp of flash steam and condensate recovery network to enhance heat recovery leading to US\$10,000 cost savings.
- Championed the rectification of the mild steel cooling tower platform to eliminate risk of failure and OSHA1994 non-compliance.
- Spearheaded the tri-generation energy efficiency project as part of the overall carbon footprint reduction initiative culminated energy cost savings of RM200,000 within the first 5 months.
- Played an immense role in leading the rollout of a 563.37k Wp Solar power system to reduce electricity usage by RM167,000 annually.
- Championed demolition & new structural building works within 2.5 months before the new boiler arrival during critical situation.

WORKING EXPERIENCE

MTU Power Systems Sdn Bhd

Sep 2023 – Apr 2024

Project Support Lead (Project with Microsoft Data Centre – Contractual)

- Facilitated daily meetings with customers to provide progress updates, discuss project milestones, and address any concerns, ensuring alignment with project objectives.
- Coordinated and managed daily tasks at project sites, involving resource allocation, project milestone tracking, conflict resolution, and scheduling, to ensure the project progressed in a timely manner.
- Implemented proactive planning and communication strategies, including daily follow-ups with internal and external resources, to guarantee the availability of all necessary resources for the successful execution of daily tasks.
- Utilized the project schedule as a guideline, employing daily chasers to expedite progress and promptly resolving any issues that could potentially impede project advancement.
- Engaged in effective stakeholder communication, fostering positive relationships with both internal and external stakeholders, and providing regular updates on project status and potential challenges.

- Monitored and analyzed the Overall Equipment Effectiveness (OEE) of critical equipment to optimize performance, identifying areas for improvement and ensuring equipment uptime and productivity.
- Developed and executed a comprehensive Preventive Maintenance (PM) plan to minimize downtime and ensure optimal equipment efficiency, collaborating with technical teams to address maintenance issues proactively and prevent unexpected breakdowns.

Triple Technics Sdn Bhd

Jul 2022 – Aug 2023

Business Development Manager (Contractual)

- Led techno-commercial, operations and facilities management activities to deliver revenue and market share growth.
- Managed budgeting and forecasting, performance monitoring, sales strategies formulation, market research, opportunities identification, competitor analysis, proposal development along with sales reporting.
- Developed and strengthened relationships with clients, stakeholders and partners while forging cross-departmental collaboration.
- Reviewed and improve the sales process to increase efficiency, productivity as well as service quality.
- Rendered coaching and mentoring to the team in enhancing respective competencies.

Cadbury Confectionery Malaysia Sdn Bhd | Mondelez International Malaysia Sdn Bhd Aug 2017 – Jul 2022
PM Lead (Nov 2020 – Jul 2022)**Energy Manager** (Feb 2019 – Dec 2022)

- Partnered and empowered line leaders in delivering the safety, quality, cost, delivery, sustainability & morale (SQCDSM) targets.
- Managed the parameter settings for all equipment and processes encompassing progressive maintenance system, key performance indicators along with the repair and maintenance budget.
- Oversaw the development and execution of preventive maintenance plans and time-based maintenance system as well as improvement of technicians' competencies and maintenance skills to enhance Global Efficiency (GE)/OEE across production lines.
- Worked closely with the Asset & Reliability team on system improvement, change management, spared localization along with as cost reduction initiatives.
- Collaborated with VSU on various new initiatives including assisting line leaders in conducting benchmarking and reapplications.
- Served as the subject matter expert and trainer of PM related subjects while representing the department as the site technology owner in various regional and global technology forums.

Utilities Engineer (Aug 2017 – Nov 2020)

- Led HSE and PSM activities while supporting an array of site safety, security and environment management systems audits as well as programs to drive a safe working culture in achieving regulatory and Mondelez standards compliances along with zero accidents.
- Managed the utilities maintenance team including preventive maintenance planning and scheduling in ensuring the availability and reliability of all utilities, contributing to improved Global Efficiency (GE)/OEE.
- Ensured adequate training and development programs as well as effective succession planning.
- Spearheaded an array of cost and efficiency improvement initiatives.
- Conducted in-depth analysis of operational and maintenance data to anticipate operating inefficiencies and failures while performing root cause analysis, proactive repair and activate preventive maintenance.
- Established and enhanced the utilities maintenance standing instructions as well as maintenance procedures and maintenance policy manual.

EARLY CAREER HISTORY

Equipment Engineer, Cell Equipment 1, Hanwha Q-Cells Malaysia Sdn Bhd May 2015 – Aug 2017

- Led a team of technicians in carrying out maintenance of the rear side passivation machine including maintenance, planning, SOP and HIRACD formulation, maintenance tools setup along with weekly and monthly reporting to improve Overall Equipment Efficiency (OEE) and machine reliability.
- Controlled consumable part stock, spare part and tools inventory as well as overall costs.
- Liaised with vendors and suppliers in addressing all open issues.
- Provided technical guidance to the team, emphasizing OEE improvement strategies and ensuring strict adherence to safety and health requirements, contributing to higher productivity and equipment uptime.

Engineer, APM Automotive Holding Sdn Bhd Apr 2013 – May 2015

- Developed and implemented maintenance strategies, procedures, and methods, scheduling maintenance for various machinery and plant facility systems while optimizing equipment availability to improve Overall Equipment Effectiveness (OEE).
- Prepared installation and commissioning guidelines and coordinated internal electrical projects, ensuring alignment with OEE targets by focusing on minimizing downtime and enhancing equipment performance.
- Performed breakdown diagnosis, quality inspections, and swift resolution of emergency and unplanned issues, minimizing disruptions and improving OEE by reducing equipment downtime.
- Managed procurement of fixtures, fittings, and components while controlling maintenance tools, stores, and costs, ensuring that maintenance activities were cost-effective and aligned with OEE optimization goals.

Business Process Designer, APAR Technologies Sdn. Bhd Dec 2011 – Mar 2013

- Performed requirements gathering, business process flow mapping and modeling along with technical layer implementation for an array of services and data solutions.
- Liaised with external and internal stakeholders in analyzing information needs and functional requirements in generating the functional requirements, business requirements document, business process maps as well as target operating models.

EDUCATION

B.Eng (Hons) in Mechatronics Engineering, Asia Pacific University Of Technology And Innovation (A.P.U), Staffordshire University, UK. (2012)

Diploma in Industrial Electronics majoring in Mechatronics Engineering, German Malaysian Institute (GMI), (2007)

CERTIFICATIONS

- PSM2, PSM3 and PSM7 training to qualify as an internal auditor (Dec 2019)
- Registered Electrical Energy Manager (REEM: PTE-0120-2018) (Mar 2018)
- Member Board of IEM (Jan 2018)
- Safety Training Metal Alkyls (Jan 2016)
- Member Board of Engineering Malaysia (Nov 2014)

- Safety Operation & Maintenance (O&M) and Good Energy Practice for Competent Personnel (Refresher) (Oct 2014)
- COP, ISO/TS 16949 REQ, APQP, FMEA, SPC, PPAP, ISO/TS16949 IQA, CSR (Oct 2014)

TOOLS

Visual Basic 6.0 | C-Programming | Programmable Logic Controller (Siemens) | AutoCAD | MS Office (Word, Excel, Outlook, PowerPoint, Access) | KRONOS System