



CAREER SUMMARY:

A Senior Manager in Solar Manufacturing plant that has more than 10 years experiences in manufacturing industry, involve in multiple startup of manufacturing plant and lead 2 major solar cell plant start-up from initial planning to ramping up to meet KPI and cost even during major COVID Pandemic period

Experience in overall operation management that consist of thousands of employees from different department function of production, process, equipment, quality control, facility, planning and operation and EHS. Involve in overall cost control and operation excellence as well as Environmental, Safety and Health control. Able to motivate and Influence others to get the best out of them.

CAREER OBJECTIVE:

To lead, learn and grow together with group of talented personnel to achieve world class low-cost high quality products/results that everyone can be proud of and remembered

PERSONAL DETAILS

Name : Lai Chien Siang
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 Gender : Male
 Date of Birth : 22nd February 1984
 Place of Birth : Kuching, Sarawak
 Nationality : Malaysian
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EMPLOYMENT HISTORY:

LONGI (MALAYSIA) SDN BHD

Jan 2023 – May 2024 (1 year 5months)

ASSISTANT GENERAL MANAGER – CELL OPERATION (8GW)

Main Responsibility:

- Assist Cell Operation General Manager on overall Cell Operation (Solar Cell plant 1,2,3,4 – Total 8GW plant)
- Con-currently in charge of overall Cell Process and Cell Operation Environmental Safety and Health Dept
- Lead the whole Solar Cell Operation team (Manufacturing, Process, Equipment, Facility, Quality Control, Planning and Operation) to meet the Key Performing Index (KPI) set according to Company goals and target
- Oversee cost related to the whole Cell Operation as well as collaboration with other department to ensure cost effective operation of the whole company

LONGI (KUCHING) SDN BHD

Aug 2020 – Dec 2022 (1year 5months)

SENIOR MANAGER – CELL OPERATION (PLANT 4 PLANT MANAGER)

Main Responsibility:

- Set up a new Solar Cell Production Plant 4 (3.8GW plant) at Kuching, Sarawak. Lead the whole Solar Cell Operation team to setup new plant and ramp up production according to the Company set target (*Including initial planning, budget, machine purchase, technology direction and overall Project Management*)
- Lead the whole Solar Cell Operation team (Manufacturing, Process, Equipment) to meet the Key Performing Index (KPI) set according to Company goals and target
- Ensure the output, yield, quality and cost of the Cell production is met
- Motivate, inspire and drive the process, equipment and manufacturing team to be at their best to achieve results within the set time frame.
- Oversee cost related to the whole Cell plant 4 as well as collaboration with other department to ensure cost effective operation of the whole company

LONGI TECHNOLOGY (KUCHING) SDN BHD

Mar 2019 – Aug 2020 (2years 6months)

SENIOR MANAGER – CELL OPERATION (PLANT 3 PLANT MANAGER)

Main Responsibility:

- Set up a new Solar Cell Production Plant 3 (1.5GW to 2.4GW plant after modification) at Kuching, Sarawak. Lead the whole Solar Cell Operation team to setup new plant and ramp up production according to the Company set target (*Including initial planning, budget, machine purchase, technology direction and overall Project Management*)
- Lead the whole Solar Cell Operation team (Manufacturing, Process, Equipment) to meet the Key Performing Index (KPI) set according to Company goals and target
- Ensure the output, yield, quality and cost of the Cell production is met
- Motivate, inspire and drive the process, equipment and manufacturing team to be at their best to achieve results within the set time frame.
- Oversee cost related to the whole Cell plant 3 as well as collaboration with other department to ensure cost effective operation of the whole company

LONGI (KUCHING) SDN BHD

Mar 2016 – Mar 2019 (3 years)

MANAGER – WAFER OPERATION DEPARTMENT

Main Responsibility:

- Lead the wafer team for smooth transition for restart of the Wafer manufacturing plant
- Lead the whole Solar Wafer team to meet the Key Performing Index (KPI) set according to Company goals and target
- Ensure the output, yield and cost of the wafer production is met
- Motivate, inspire and drive the process, equipment and production team to be at their best to achieve results within the set time frame.
- Oversee cost related to the whole wafer group as well as collaboration with other department to ensure cost effective operation of the whole company

SUNEDISON KUCHING SDN BHD

Sep 2010 – Mar 2016 (5 years 6months)

MANAGER – ENGINEERING, PRODUCT & YIELD (WAFER SLICING)

- Lead a team of process & equipment engineers to ensure stable yield performance, equipment stability and support production for line sustaining.
- Lead the Slicing engineering teams to initiates action to overcome issues and problems encountered.
- Lead the Slicing engineering team to strategize and qualify new products and material for cost reduction and process yield improvement project
- Oversee cost related and plan and strategize evaluation to improve quality of products and overall cost of the company

Previous roles:**SENIOR STAFF ENGINEER – ENGINEERING SLICING & COOLANT FILTRATION****Main Responsibility:**

- Pioneer team member for the startup of the Company
- Startup DrM Filtration system for filtering Coolant with Silicon particles and recycle the expensive coolant back to production line.
- Process testing on the Filtration system to ensure highest filtration efficiency for minimal coolant wastage.
- Supervise engineer and technician for the Filtration system operation and issue troubleshooting.
- Alternative coolant evaluation for cost reduction.
- Implement Lean manufacturing and 5S concept to DrM Filtration department
- Setting up FMEA, Control plan, Work Instruction and other related QMS documentation.

OMG ELECTRONIC CHEMICALS SDN BHD**Dec 2009 – Sep 2010 (10 months)****TECHNICAL SERVICE ENGINEER****Main Responsibility:**

- Main contact point for technical issues and discussion between client and R&D
- Support technical and new product evaluation at client site.
- Ensure good technical supports to client
- Test client defective products and issue investigation report.

X-FAB SARAWAK (M) SDN BHD**May 2007 – Dec 2009 (2 years 7 month)****PROCESS ENGINEER - THIN FILM CVD (CHEMICAL VAPOR DEPOSITION)****Main Responsibility:**

- Ensure the stability and sustenance of Thin Film process.
- Review the process performance using Statistic Process Control.
- Identify & troubleshoot for process parameters that are out of control.
- Contribute to process improvement project such as product yield improvement
- Contribute to cost reduction project such as qualifying tool for second source process gas.
- Analyze on root cause of production hold, for the improvement on production cycle time.

ACADEMIC HISTORY:

- 2003-2006 **CURTIN UNIVERSITY OF TECHNOLOGY
SARAWAK CAMPUS, MALAYSIA**
- ❖ Bachelor of Engineering (Hons) in Chemical Engineering
 - ❖ Grade: Second Class Upper (Honors)
- 2002 **CURTIN UNIVERSITY OF TECHNOLOGY
SARAWAK CAMPUS, MALAYSIA**
- ❖ Academic Program of Engineering Foundation Studies
(Mathematics, Physics, Chemistry, Information Technology, English
Communication, Academic Writing)

CURRICULAR ACTIVITIES**Clubs and Societies**

- Executive Committee for Kuching Buddhist Society (2022 – present)
- Secretary of Kuching Connections Toastmasters Club (Term 2018/19)
- Sarawak Course Advisory Committee (SCAC) member of Bachelor of Engineering (Chemical Engineering) for Swinburne University of Technology Sarawak Campus (2015 – 2019)

Awards/ Achievements

- Longi Green Energy (International Manufacturing Center) – Annual Corporate Culture Award (2023 - Individual)
- Longi Green Energy (Center Level) 2022 – General Manager Special Awards (2022)
- Longi Employee Recognition Award 2020 – CEO Special Award (2020)
- SunEdison Lean Green Belt Certified for Beam conversion cost saving Project (2014)
- SunEdison Operation Excellence Black Belt Certified for Low Cost Mono Panel Project (2015)

REFERENCES

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