

CHAO-CHUNG LU (Sam Lu)

**CHAOCHUNG LU (Sam Lu)**37 years | Taiwan | Male  
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Based on seven years of NPI and supplier chain management experience, I believe that efficient communication is the key of project success. Deliver designers' ideas to suppliers accurately and let designers understand the ideas' feasibility and cost-effective is critical. Cost is not only the number on the quotation. Not only the unstable quality and shipment delaying in MP stage is cost, moreover the labor cost of whole team is more significant than the difference between the part quote.

## Skills

### Supply Chain & Supplier Development

From the factory size, equipment, process system and personnel observation, it can be seen whether it is worthwhile for engineers to invest time to run in with the supplier. Technical capability and geographical relationship is much more important than unit price in the initial stage. It will be more effective to if second source and price negotiations after production is stable.

### Product and Components Validation and Test Plan:

Extensive parts experience. Wrote test plans and test methods for EVT and MP stage. Reduce internal costs by controlling supplier verification and production processes. CPK and SPC can reduce back-end costs, but the effectiveness of implementation often depends on communication with execution staffs, willing impacts a lot.

### Simultaneous Engineering & Documentation Organization:

Kick off everything ASAP is not wrong, but make everything is ongoing and pretend no idle is horrible. Such efforts lead no success no reward, and make team loss enthusiasm. The key of simultaneous engineering is control and responsibility. Make sure every movement is meaningful, the need will not be changed casually. All decisions have basis and responsibility.

## Work Experience

### PLUM INC (USA) 2018 Jun.- Now | Reliability Engineer & Site Manager

- Supply chain design and development, cost analysis.
- Get BSH's supplier qualified and contract.
- Improve NPI product yield rate from 60% to 90%.
- Define parts and product SPEC and PPAP.
- Test plan and test item for DVT, EVT, MP stage.
- Improve production line process and first part yield.
- Troubleshooting, FTA, make FMEA and PFMEA.
- Maintain relationship between suppliers.

### SIRTEC (DongGuan) Plastic & Electronic Co., LTD. 2016 Sep.- 2017 Dec. | Supply Chain Management and Development

- Supplier sourcing and audit. Cost analysis reduction.
- Prototype, DFM for MP yield and cost reduction.
- UL/cUL & FCC/IC certification
- Design test process. CM and suppliers' SIP and SOP.

### UL (Underwriters Laboratories) 2012 Feb.- 2016 Sep. | Certification Project Engineer

- Certification works for LED power and luminaire.
- Lead KAIZEN competition, 2013 & 2014 1st. award
- Coordination of 2016 CBTL audit.
- Lecturer for seminar, external lab qualification.