

## **RESUME OF** **MR. LOW HUA**

### **Contact Info**

**Address** : Jia Jen Section 13, Kota  
Damansara, Petaling Jaya, 47777 Selangor, Malaysia  
**Mobile No.** : 012-37697979  
**Email** : kolow@yahoo.com

### **Personal Particulars**

**Age** : 30 years old  
**Date of Birth** : 11 Jul 1978  
**Nationality** : Malaysia  
**Gender** : Male  
**Marital Status** : Married  
**IC No.** : 780711-08-67989

### **Educational Background**

**Field of Study** : Engineering (Electrical/Electronic)  
**Major** : Electrical, Telecommunication, Micro Controller  
**Institute** : Stamford College, Malaysia  
**Grade** : Bachelor of Engineering with Second Class Honors (Upper Division)  
**Graduation Date** : Mar 2001

### **Employment History**

#### **1. Cimation (M) Sdn Bhd**

Position Title : Automation Consultant  
Position Level : Senior Executive  
Specialization : Process Design & Control/Instrumentation  
Industry : Automobile / Water Treatment/ Factory Automation  
Duration : Jul 2006 - Present  
Monthly Salary: RM 5050

#### **Work Description:**

- To communicate with customer on the project requirement, design, project planning and etc
- Oversee the entire project, coordinate project work and organize resources to ensure timely completion of project.
- Liaise with local authorities, consultants, contractors and suppliers
- To prepare project's bill of material and cost estimation for projects and services job

- To prepare project proposal, system design specification (SDS), user acceptance test (UAT) for all the project implementation
- To provide pre-sales support to sales and marketing staff
- To design control circuit for automation control system
- To supervise and co-ordinate the site works during site commissioning
- To develop PLC program and SCADA monitoring system for automation control
- To set up industrial network system

### **Achievements:**

8/2006 ~ 12/2006

User: Perodua Manufacturing Sdn. Bhd.

Project: Upgrading project for Cimplicity HMI and Windows OS.

Main job functions: As Project Manager, involved in project management, project planning, attending project meetings, scheduling, work monitoring, project costing and estimation. Also work in Cimplicity scripting, build new Cimplicity HMI project 6.10 and migrate from version 4.01 to 6.10, testing & commissioning. This project involved of 2 lots Cimplicity Tracker project which are controlling Perodua Production area and car body tracking system. Besides, 10 lots of Cimplicity Device project and 60+ units of IPC work as Cimplicity Viewer located inside Perodua plant. All Cimplicity application had been upgraded to 6.10 with new OS Windows Server 2003 R2 and Windows 2000 for Cimplicity Server and Cimplicity Viewer respectively. This project is to ensure production operated as usual without any problem after Cimplicity version upgraded.

5/2007 ~ 12/2007

User: Perodua Manufacturing Sdn. Bhd.

Project: RFID system in Perodua VIVA Line and New WBS (Body Shop)

Main job functions: As Project Manager, started from project estimation, project planning, project proposal, project schedule, attending project meetings, progress monitoring and provide customer training on project.

As PLC & Cimplicity programmer and commissioning, involved in development on PLC ladder programming for communication Serial IO driver of GE FANUC VersaMax PLC and EMS RFID Controller. Cimplicity HMI 6.10 is applied as SCADA HMI for operator interfaces and monitoring system. Cimplicity HMI is connected to 6 units PLC controller for data acquisition and monitoring of RFID system. MS SQL 2005 Database had been applied into this RFID system for data logging and historical data of multiple stations. Integration of RFID system to current running Cimplicity Tracker project had been done on this project. New Cimplicity Tracker routing map had been introduced to customer for car body tracing and WIP purpose in plant operation.

This project had been established an infrastructure of RFID system in the customer plant.

## **2. Nu-Con Systems Sdn. Bhd.**

Position Title : Electrical Engineer

Position Level : Junior Executive

Specialization : Process Design & Control/Instrumentation

Industry : Specialize in pneumatic conveying system; powder, liquid batching system storage system.

Duration : Apr 2004 - Jun 2006

Monthly Salary: RM 3600

### **Work Description:**

- To design and manage the project of pneumatic conveying system.
- To provide professional design on electrical circuit wiring drawing, main control panel, MCC (motor control center), and PLC programming (Programmable Logic Control) or SCADA HMI for all projects.
- To be responsible for installation and troubleshooting of electrical control circuit (PLC or relay logic) for the sequential control specific by client.
- To prepare purchase requisition and purchase order for items required for projects.
- To analyze electronic circuit and to make necessary modifications or repair any faulty part.
- To prepare / update electrical drawings and system operation manuals required for projects.
- To conduct technical research on the company products.
- To prepare cost estimation and technical proposal for projects in the public and private sectors.
- To participate in project commissioning in Malaysia and overseas and establish goodwill with customers, consultants and contactors.

### **Achievements:**

4/2004~ 4/2005 :

User: Gardenia Bakeries (KL) Sdn Bhd.

Project title: Bread Line project-storage, pneumatic conveying and weight batching system for flour, water and minor ingredients.

Location: Bukit Kemuning, Malaysia

Main job functions: Amendment for Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, site cabling drawing, upgrade PLC programming (Allen Bradley-SLC5/05)

8/2004~ 10/2004 :

User: Britannia (Johor)

1st Project title: Compressor/ Dryer system for vacuum PIAB system

2nd Project title: Dust collector system for receiving hopper

Location: Johor

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, panel layout drawing, site cabling drawing, PLC programming (OMRON) for above systems. As electrical site supervisor and commissioning member.

10/2004~ 11/2004 :

User: Tatawa (Johor)

Project title: Additional hopper for flour conveying system

Location: Johor

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, site cabling drawing, PLC (Allen Bradley-SLC5/03) programming, touch panel (AB-PANEL VIEW) for above systems. As electrical site supervisor and commissioning member.

10/2004~ 1/2005 :

User: Aik Cheong Coffee Roaster Sdn Bhd

Project title: Bag Dumping, weighing, batching and pneumatic conveying system

Location: Melaka

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, site cabling drawing, panel layout drawing, PLC programming (OMRON-CQM1H) for above systems . As electrical site supervisor and commissioning member.

8/2005~ 12/2004 :

User: UB Usaha Sdn Bhd.

Project title: Lime Storage silo & Handling System

Location: Kelantan

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, site cabling drawing, PLC programming(OMRON-CQM1H) for above systems .

3/2005~ 2/2006

User: Siam Quality Starch Co. LTD.

Project title: Vacuum Dense Phase Conveying System for system1, system2 and system3.

Location: Thailand

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, single line drawing, site cabling drawing, panel layout drawing, PLC programming(Allen Bradley- CONTROL LOGIX), SCADA system(WONDERWARE-INTOUCH) for above system1,2 & 3.

8/2005~ 11/2005

User: Gardenia (thailand) Co. LTD.

Project title: Bulk Flour and Minor Ingredients weigh batching system

Location: Thailand

Main job functions: Re-commissioning Gardenia (Thailand) Bulk Flour and Minor Ingredients weigh batching system and provide SCADA system (WONDERWARE-INTOUCH) and PLC programming (Allen Bradley, SLC5/03)

1/2006 ~ 3/2006

User: Hiratako Aquistic

Project: Caco3, MICA, Paper pulp bag dumping, weighing system and batching system

Location: Shah Alam

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, single line drawing, site cabling drawing, panel layout drawing, PLC programming (Omron-CJ1MA)

10/2007 ~ 6/2007

User: B.Braun medical Industries Sdn. Bhd.

Project: Sodium Chloride, Sodium Bicarbonate and Glucose unloading system, batching system and weighing system

Location: Pulau Pinang

Main job functions: Design Electrical Circuit Wiring Drawing, Power circuit, Control Circuit, single line drawing, site cabling drawing, panel layout drawing, PLC programming (Siemens, S7-200), Touch screen 2units (Proface)

### **Servicing Plants:**

Aik Cheong Roasters Sdn Bhd, AutoWays Sdn Bhd, Britannia Sdn Bhd, CM Indah Sdn Bhd, CMYK Ltd, Daily Bakery Sdn Bhd, Family Bakery Sdn Bhd, Gardenia Bakeries (BK) Sdn Bhd, Havi Food (Subang) Sdn Bhd, Havi Food (Port Klang) Sdn Bhd, Hiratako Sdn Bhd, IFFCO Industries Sdn.Bhd., KL Kepong Sdn Bhd, KSP Sdn Bhd, Lee Biscuit Sdn Bhd, Natural Oleo Chemical Sdn Bhd, Oriental Food Sdn Bhd, Pan Century Sdn Bhd, Tatawa Industries Sdn Bhd, Today Bakery Sdn Bhd, Unitata Sdn Bhd, Titan Chemical Industries, VIT makanan Sdn Bhd, WR grace Sdn Bhd.

### **3. Organo (Asia) Sdn Bhd**

Position Title : Electrical Engineer

Position Level : Junior Executive

Specialization : Engineering - Electrical

Industry : Specialize in pure water, waster water treatment system.

Duration : May 2001 - Apr 2004

Monthly Salary: RM 2550

### **Work Description:**

- To design and monitor electrical and instrumentation job
  - o Drawing, design and monitor
  - o Project and supplier control
  - o Confirm the completion of client specification
  - o To monitor project progress
  - o Testing of control panel
  - o Selection of instrument and device
- To monitor site operation
  - o Electrical and instrumentation work supervision and progress control
  - o Witness site test commissioning
  - o To keep data on electrical and instrumentation
  - o To confirm safety matters
  - o To manage and keep devices.
  - o To communicate with client and subcontractor
- To do maintenance work

- To design and carry out site work as requested by maintenance and commissioning department
- To improve technical ability
- To support the implementation and maintenance of ISO 14001 in department

**Achievements:**

09/2001 ~ 11/2001:

User: EPSON (Philippines)

Project title: DIW & Reclamation water, Waste water treatment system

Location: Philippines

Main job functions: As Site Electrical Supervisor and commissioning member.

12/2001 ~ 2/2001:

User: Stella Chemifa (Singapore)

Project title: Pure water treatment system

Location: Singapore

Main job functions: As Project Executive.

7/2002~9/2002:

User: Vietnam PHU-MY 2-1 Power Plant

Project title: Demineralization water treatment system

Location: Phu-My, Vietnam

Main job functions: As Site Electrical Supervisor and commissioning member.

5/2003 ~ 12/2003 :

User: Yakult (Malaysia) Sdn.Bhd.

Project title: Waste water treatment system and pure water treatment system

Location: Seremban, Malaysia

Main job functions: Design Electrical Circuit Wiring Drawing (Power circuit, Control Circuit, Instrument Circuit, Single Line Diagram and etc.), panel layout drawing, site cabling drawing, PLC programming for waste water and pure water system. As electrical site supervisor and commissioning member.

11/2003 ~ 1/2004 :

User: Matsushita-Toshiba Picture Display

Malaysia.

Project title: Expansion of Pure Water Treatment System Phase-3

Location: Shah Alam, Malaysia

Main job functions: Design Electrical Circuit Wiring Drawing (Power circuit, Control Circuit, Instrument Circuit, Single Line Diagram and etc.), panel layout drawing, site cabling drawing, PLC programming for pure water system. As electrical site supervisor and commissioning member.

2/2004 ~ 6/2004:

User: Myanmar Power Station

Project title: Demineralization water treatment system

Location: Yangon, Myanmar

Main job functions: As Electrical Site Construction Supervisor

#### 4. Sin Chew Yit Poh (Pemandangan Sinar Sdn. Bhd.)

Position Title : Electronic Technician

Position Level : Fresh/Entry Level

Specialization : Engineering - Electronics/Communication

Industry : Printing / Publishing

Duration : Mar 2000 - Jun 2000

Monthly Salary: RM 1300

#### Work Description:

- Repair and maintain electronic and electrical equipment on site.
- Customer interaction.

#### Achievements:

- To repair factory's machines
- To provide preventive maintenance for factory's machines and keep uptime on the production.

#### Skills

(**Proficiency: Advanced** - Highly experienced; **Intermediate** - Familiar with all the basic functionalities; **Beginner** - Just started using or learning the skill)

| Skill                     | Years | Proficiency  |
|---------------------------|-------|--------------|
| Electrical circuit design | >5    | Advanced     |
| Control panel design      | >5    | Advanced     |
| PLC programming           | >5    | Advanced     |
| SCADA HMI design          | 5     | Intermediate |
| Auto Cad                  | 3     | Intermediate |

#### Languages

(**Proficiency: 0=Poor - 10=Excellent**)

| Language               | Spoken | Written |
|------------------------|--------|---------|
| Chinese                | 9      | 9       |
| Bahasa Malaysia        | 8      | 8       |
| English                | 7      | 7       |
| Bahasa Indonesia       | 3      | 3       |
| <b>Other Languages</b> |        |         |
| Hokkien                |        |         |

### **Additional Info**

#### **--- Education ---**

5/2000-3/2001

Stamford College (Petaling Jaya), B.Eng. (Hons) in Electrical & Electronic Engineering

1999-2/2000

Stamford College (Petaling Jaya), Advanced Diploma in Electrical & Electronic Engineering

1998-1999

Stamford College (Petaling Jaya), Diploma in Electrical & Electronic Engineering

1990-1997

Shen Jai High School (Ipoh) Unified Examination Certification

#### **--- Employer Background ---**

Cimation (M) Sdn Bhd is a subsidiary of Cimtech Automation Consultant who is founded in 1996. Today Cimation has grown into a recognized industrial automation software builder, catering to the aerospace, automotive, electronic and oil field industry.

Cimation have designed and built a large range of industry automation software to monitor and control the machinery and instruments. Cimation (M) Sdn Bhd will provide services on HMI and SCADA solutions to industries using modern technology like Proficy iFix, Proficy Cimplicity, PLCs, Embedded System and RFID Technology.

Website: <http://www.cimation.com.my>

Nu-Con specializes in the field of bulk solids material handling, offering a full design, manufacturing, installation and start-up service in any part of the world. From raw bulk materials discharge to packaging finished product in containers - and every process in between, Nu-Con can engineer, manufacture and install equipment for all your powder handling needs. Nu-Con supplies powder handling systems of all types to store, convey, blend, screen, weigh, mill, transport, discharge and pack dry bulk and semi-solid powders and granules.

Website: <http://www.nucon.com>

Organo Asia was incorporated in Malaysia in 1986 as part of our Headquarter expansion to the Southeast Asia region. Our Headquarter, Organo Corporation was established in Japan in 1945 as a water treatment solutions provider. Together with almost 60 years of experience in providing premium water treatment solutions to customers, Organo Asia is moving towards building a reputation in South East Asia as one of the leaders of water treatment solutions provider. To date, we have designed and built more than 120 systems not including customers system modifications and expansions. Today, our Planning & Design Team consists of personnel specializing in Ultrapure Water and Waste Water Treatment Systems for industries such as Power Generation, Electronics, Pharmaceutical and many others.

Website: <http://www.organoasia.com>



### Miscellaneous

**Expected Monthly Salary** : RM 5800 (Negotiable)

**Willing to Travel** : Moderate (25-50%)

**Possess Own Transport** : Yes

**Availability** : Immediately after notice period of 2 month(s)

**Personal Strengths:**

- Analysis problem
- Able to work under pressure
- Fast learning and self-motivated
- Able to work independently as well as a team