**Earl**

***C/o-Mobile:*** +971501685421

***E-mail:*** [earl.378481@2freemail.com](mailto:earl.378481@2freemail.com)



**TECHNICAL COMPETENCE:**

* More than 15 years of experience in low current systems for residential, commercial, industrial, oil & gas sectors;
* Cost conscious and highly attentive to system designing details having an excellent grasp of engineering and design principles
* Develop detailed engineering design/s including management of the development of multiple telecommunication systems design
* Develop solutions in preparation for assembly, integration, installation and commissioning
* Responsible for project assurance and compliance with quality and industry regulatory requirements
* Able to configure, install, test, and maintain systems, conduct Factory Acceptance Test (FAT)
* Full understanding of project processes and telecom system different lifecycle methodologies
* Experienced in brownfield commissioning works
* Able to drive task to full completion and meet critical timelines
* Experience in the following systems, Security and Fire Alarm, LAN, RF Systems, UPS, PABX and Telephony, Navigational Aids and Radars, Access Control including Physical Security and Audio Visual System;
* Excellent knowledge and hands-on experience in the following products:
  + ARH, Candid, Bosch and PIPS Technology/3M – Number Plate Recognition System
  + Pelco, Flir, Honeywell, IndigoVision, Mobotix, Grundig, Axis, Oxalis & Coex/Synectics - Industrial and Ex rated IP and Analog CCTV optical and thermal cameras
  + ONSSI, Digifort, IndigoVision Control Center, Mobotix Mx Control Center – Video Management System
  + OptaSense, FFT, Southwest Microwave and Senstar Stellar Perimeter Intrusion Detection Systems
  + Alvarado, Boon Edam, APT, CAME and Avon Barrier Company – Physical Security Systems
  + Ericsson and Mitel PABX and Cisco IP Telephony
  + Spector Lumenex and Stentofon intercom
  + FHF and MEDC sounder & beacons
  + Raytheon and Sperry Marine radars, Dual frequency echo sounder and Digital gyrocompass
  + Unicom/Salcom - Pager System
  + Alcatel, Cisco, Extreme Networks and HP/Aruba Networks - L3 and L2 switches;
  + Gill, Observator, Vaisala, RMY - Environmental sensors and monitoring
  + Honeywell, Pulnix, HID, Optex & FBII – Intrusion detection
  + Honeywell, Lenel & PCSC – Access Control Systems
  + Honeywell and UTC – Home Automation
  + Morley-IAS & Simplex – Fire Alarm
  + Bartec, Walsall, Hoffman and Rose Systemtechnik – Hazardous and Weatherproof Enclosures
  + Fujitsu, Da-Lite, Peavey, JBL, EAW, Extron, Martin Lighting, AMX, Crestron – Audio Visual
  + Bosch and TOA – Public Address and CCTV
  + Tandberg and Polycom – Videoconferencing
  + Lund Halsey, Evans, Winsted, APW, Panduit, Rittal, Middle Atlantic & TOA – Console & Equipment cabinets

**CAREER ABSTRACT SUMMARY:**

 ***Senior Systems Design Engineer*** ***September 2015 to present***

***Leap Networks* Pte Ltd**

1 International Business Park # 02-1C The Synergy

Singapore 609917

* Lead & own the process of preparation of design deliverables with due consideration for applicable Codes & Standards
* Attend project review meetings
* Manpower estimation, work planning / forecast and effective utilization of manpower, progress monitoring and adherence to scheduled completion of engineering documents.
* Review and verify detailed design drawings and other technical documentation
* Responsible for change management and trend notifications
* Prepare system detailed drawings like block diagram, general arrangement diagram, termination and wiring diagram;

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* Prepare documents like BOM, FDS, Specifications, Power and heat calculations of cabinets and FAT/SAT procedure
* Assist technicians in building equipment cabinet prior to Factory Acceptance Test;
* Responsible in conducting FAT and commissioning support to field engineers
* *R*esponsible for all administration pertaining to procurement and tracking of orders and ensuring *all* associated components are allocated accordingly

 ***Senior Systems Design Engineer*** ***February to June 2015***

***CSE-*Transtel Engineering Pte Ltd**

No.1 Jalan Kilang, #06-00 Transtel

Singapore 159402

* Prepare system detailed drawings like block diagram, general arrangement diagram, termination and wiring diagram;
* Prepare documents like BOM, FDS, Specifications, Power calculations of cabinets and FAT/SAT procedure
* Assist technicians in configuration of cabinet and configuration of system assigned prior to Factory Acceptance Test;
* Responsible in conducting FAT and commissioning support to field engineers

 ***Senior Application Engineer*** ***October 2012 up to December 2014***

**JBK Controls WLL**

P.O Box 15309

Salwa Road

Doha, Qatar

* Engage in costing for tender and provide solutions to ELV systems
* Responsible for detailed design engineering including site survey activities
* Attend site meetings and surveys and provide technical support to site implementation personnel
* Participation in risk assessments and complying with legal and other requirements
* Keep project and operation managers update of the project international and local deliverables
* Provide alternative product solutions for cost effective offer during tendering stage
* Collaborate with junior engineers to assess system requirements, establish timelines for project completion, and identify desired outcomes

 ***Project Engineer*** ***July 2011 up to September 2012***

**Johnson Controls Airconditioning & Refrigeration (Qatar) WLL**

P.O Box 55035

No. 5, 1st Floor

C-16, Al Haydoos Building,

C-Ring Road

Doha, Qatar

* Prepare material submittals, system specifications, method statements, FAT procedures and results including shop drawings for the systems assigned;
* Attend product presentations and workshops to client and main contractor;
* Interfaced with various CPs within the airport for installation conflicts, radar frequency allocation;
* Help vendors in site surveys including preparation of permits and arranging of schedule and transportation;
* Responsible in applying and follow up of local radar frequency license application and export license both local and abroad;
* Coordinate with vendor for technical requirements and supervise installation works by civil & electrical sub-contractors
* ***Senior Systems Design Engineer***
* ***Systems Design Engineer***

**Transtel Engineering Pte Ltd (TTE)** No.1 Jalan Kilang, #06-00 Transtel Singapore 159402

***September 2010 to July 2011***

***April 2008 to September 2010***

* Review and verify design drawings and other technical documentation prepared by others to ensure correctness and accuracy in form, fit and function
* Experience in project documentations which includes making of bill of materials, functional design specifications, ITP, and power calculation reports;
* Prepare system drawings like block diagram, general arrangement diagram, termination and wiring diagram;
* Assist technicians in configuration of cabinet and configuration of system assigned prior to Factory Acceptance Test;
* Interface and interaction with key stakeholders across the organization
* Provide technical site support during commissioning and hand over

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***Estimation & System Design Engineer*** ***December 2005 to February 2008***

**Ideal Control & Monitoring Systems (ICMS)**

Suite 702 Dhahran Center, Dhahran Street,

Al-Khobar, Kingdom of Saudi Arabia

* Prepare quotations, material take-offs, bill of quantities including technical clarifications
* Review and interpret tender documents to ensure to the compliance with client requirements
* Liaise with the purchasing department and suppliers for the procurement of equipment
* Facilitated technical orientations and training to contractors and end-users

 ***Project Engineer*** ***May 2002 to May 2004***

**Al-Matbouli Sound and Communications**

2nd Floor Al-Moallim Building, Diamond D

Sitteen Street, Malaz Area, Riyadh

Kingdom of Saudi Arabia

* Carried-out the installation, programming, testing and commissioning of different types of system like CCTV, public address, home security, fire alarm, audio visual and paging systems
* Participate in maintenance of CCTV system in Riyadh and Jeddah airports
* Assign daily tasks to technicians and purchase installation materials
* Responsible in maintaining the workshop supplies and inventory including logging in and out of installation tools and machines

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***System Design Engineer***

***Audio Visual Technician***

***November 1999 to October 2001***

***August 1999 to November 1999***

**Saudi Media Systems (SMS)**

7th Floor Akaria II Bldg.,

Suite #724, Olaya Main Road, Riyadh

Kingdom of Saudi Arabia

* Responsible in design of different systems like CCTV, light dimming, CATV, public address, video conference, paging and audio visual
* Coordinated with clients, supervisors, subordinates and suppliers during project execution
* Participated in the commissioning inspections, clearing punch lists and make daily site reports
* Generating functional and connection-level drawings Design for video, audio, control, LAN and communications subsystems, including preparation of AutoCAD drawings and documentation
* Experience specifying projectors screens and room design, specifying and configuring sound reinforcement systems
* Provide continuous engineering support throughout the project, from inception through implementation
* Provide equipment and technology research and coordination with vendors. Selection and qualification of equipment and software required for custom integration solutions
* Held project manager position for one year and completed 2 major projects

**PROFESSIONAL TRAININGS/SEMINARS:**

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* Austrian Quality and Evaluation, Quality Management System, ISO 9001:2008 Training, Doha, Qatar 2011
* Senstar Stellar Maintenance Training, Singapore 2011
* Pelco Endura Systems Designer 2.0 Pelco Global Training Institute, Singapore, 2010
* Pelco CM9700 Version 9 Installation Certification, Pelco Global Training Institute, Singapore, 2009
* Pelco Integral DigitalSentry, Pelco Global Training Institute, Singapore, 2009
* Introduction to Pelco CCTV and Networking Basics, Pelco Global Training Institute, Singapore, 2008
* Praesideo Product Training, Bosch Security Systems, Singapore, 2008
* Networking Technology Course, Sponsored by Second Philippine Int’l School and Tesda, Riyadh, 2003
* Simplex Fire Alarm Seminar, Al-Matbouli Sound and Communications, 2003
* Plasma Service Training, Sponsored by Fujitsu, Jebel Ali, Dubai, 2002
* TESDA Networking Technology Course, Riyadh 2002
* Work Permit Receiver Course Seminar, Westpark 3, Dhahran, KSA, Saudi Aramco, 2000
* ATM / IP and Emerging Network Technology, Saudi Media Systems, 1999

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**EDUCATION:**

 **Bachelor of Science in Electronics and Communication Engineering (ECE) -** June 1990 to March 1995

**Cebu Institute of Technology – University (CITU)**

N. Bacalso Avenue,

Cebu City, Philippines

* **Board Examination:** Passed the Philippine Regulation Commission for ECE licensure examination onNovember 1995 with a rating of 74%

**PERSONAL INFORMATION:**

***Marital Status:***

***Nationality:***

***Age:***

***Place of Birth:***

Married

Filipino

45

Tanjay City, Negros Oriental, Philippines

**OTHER RELEVANT FIELD:**

* Internal Governor, IECEP Singapore Chapter, 2017
* Member of Institute of Electronics and Communications Engineers of the Philippines, License No.:12-28048
* Registered Electronics Engineer of the Philippines License No.: 14698
* Quality Management System Internal Auditor License No.: QMSIA/1063/QAG
* Proficient in MS Word/Excel/Powerpoint/Project and knowledge in AutoCAD
* Possess valid Philippine and Qatar driver's license

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