

## Englebert M. Aguilar



### PERSONAL DATA

Age: 38  
Date of Birth: May 24, 1970  
Gender: Male  
Civil Status: Married  
Height: 165 cm  
Weight: 64 kg  
Nationality: Filipino  
Religion: Christianity - Catholic

### EDUCATION

	Highest Education	Second Highest Education
Education Level:	Prof'l License(Passed Board/Bar/Prof'l License Exam)	Vocational Diploma / Short Course Certificate
Education Field:	Engineering(Electrical/Electronic)	Science & Technology
Course:	BS in Electronics and Communication Eng'g	General Radio Communication Operator
School/University:	Cagayan De Oro Colege	Southern Institute Of Technology
Location:	Cagayan De Oro City	Cagayan De Oro City
Date:	Mar 1996 - Mar 2000	Oct 1994 - Mar 1996

### LICENSES/CERTIFICATIONS

License/Certification Exam Taken	License/Certification No.	Date
1. ELECTRONICS & COMMUNICATION ENGR	0022702	Dec 11, 2000
2. AMATEUR CLASS A	ROC-ROXATA-10198-2006	Oct 29, 1998
3. PROFESSIONAL DRIVERS LICENSE	K02-97-070561	Jul 18, 1997
4. FIRST CLASS RADIOTELEPHONE OPTR	97-1PX-19860	May 21, 1997

### WORK EXPERIENCED

**I have been working for 8.0 year(s).**

1. Position: **QA/QC Instrument Inspector**  
Duration: Oct 28, 2007 - Aug 30, 2008(0.8 yrs)  
Company: Chiyoda & Toyo Joint Venture  
Company Industry: Construction / Building  
Location: Sakhalin, Russia  
Department: Instrument

Job Description:

Duties and Responsibilities:

- 1.01. Reviews Contractor's QA/QC documentation and design deliverables confirming in accordance with relevant International and Company's Standards.
- 1.02. Coordinate with the Contractor's Construction / Commissioning / Loop & Calibration team and Sub-contractor's QC team for the up-coming inspection schedule.
- 1.03. Facilitate to provide instrument location plans, datasheets, loop drawings and other relevant engineering documents before final inspection.
- 1.04. Conduct final inspection for the following installations: cable trays, conduits, trenches, instruments & junction boxes.
- 1.05. Conduct witness inspection (receiving/calibration test) for all kinds of instruments as per project specification and design.
- 1.06. Prepare and manage system punch list, monitor each defect rectification, liaises with the commissioning team to achieve safe and timely startup of facilities.
- 1.07. Conduct witness inspection with the client for all instrument pressure testing (air leak & impulse line) and ensure that all test work is correctly carried out in accordance with the contract specifications and procedures.
- 1.08. Coordinate with the Engineering team for any related instrument design modification.
- 1.09. Verify the validity of each Quality Control Reports (QCR) issued and submit it to the client (SEIC) for approval.
- 1.10. Update each QCR completion report status in Win-PCS database for monitoring purposes.

2. Position:

**Instrument & Control Engineer**

Duration:

Sep 28, 2004 - Oct 30, 2006(2.1 yrs)

Company:

Saudi Arabian Fertilizer Company (SABIC)

Company Industry:

Chemical / Biochemical

Location

Saudi Arabia

Department:

Engineering Department

Job Description:

Conduct Technical Studies for plant modification (MOC):

- 1.01. Replacement of valves like control valves, hand valves, pressure regulated Valve, relief valves, checked valves and others.
- 1.02. Replacement and installation of measuring devices such as Differential type (flow, pressure and level transmitter), Displacement type (magnetic & contact type), temperature (RTD & thermocouple), electro-pneumatic & mechanical gauges to smart transmitter.
- 1.03. Replacement and installation of the following Gas Chromatograph Analyzers like H<sub>2</sub>, H<sub>2</sub>S, O<sub>2</sub>, CO, CO<sub>2</sub>, NO<sub>x</sub>, density, moisture or dew-point, ammonia, conductivity, sodium, pH and others.
- 1.04. Up-gradation of control system such as DCS (Yokogawa), ESD (Triconex), PLC's, AMS (Alarm Management System), SOE (STK Sequence of Events System), Vibration Monitoring System (Bentley Nevada) and Woodward Governor Control System.
- 1.05. Control system logic voting modification with respect to emergency shutdown system (ESD) and control valve split range control system.

General Scope:

- 1.01. Prepare construction / as-built drawing (instrument & mechanical hook-up) for instrument scopes.
- 1.02. Knowledgeable in calibration of process variable such as level, temperature, pressure, flow, control valve, electro-pneumatic signal (I/P) of process control instrumentation.

- 1.03. Experienced in specifications of technical drawing, materials standards and knowledgeable in interpreting manufacturer's manual and catalogue for all instrument's scope.
- 1.04. Prepare bill of materials, cost estimation, material inspection and take-off materials for instrument's scope.
- 1.05. Conduct Technical Bid Evaluation on vendor's technical and commercial offer.
- 1.06. Designed roughing of instrument raceway, tube/pipe tray, stanchion support, tubing of impulse line, conduit piping & cable (signal/power) routing, and integration to the DCS and ESD system.
- 1.07. Supervise on any related instrument installation like PESSL weather station, belt weigher, weigh bridge, CCTV, Bird Repeller system, paging system, Gas detection system, etc.
- 1.08. Carry out QA/QC function to the type of work involve.
- 1.09. Regularly facilitate site survey with the vendors for all instrument related projects and provide technical information that will help to provide quotation and solution.
- 1.10. Conduct back-up copy (HDD cloning) for all Industrial PC's on regular basis.
- 1.11. As technical support representative for Investigatory and Grievance Committee.
- 1.12. As a Safety Training Engineer, regularly conduct plant safety guidelines to my co-workers.
- 1.13. Prepare project completion certificate / Invoice verification certificate and submit it to the management for approval

#### SAFCO-3 2005 & SAFCO-2 2006 Shutdown Activities (Project Engineer)

- 1.01. Coordinate with the plant warehouse and planning department for material specification, inspection, procurements and delivery period.
- 1.02. Conduct Technical Bid Evaluation on vendor's technical offer.
- 1.03. Coordinate with the vendor for control valves leakage and hydro testing.
- 1.04. Facilitate the kick-off meetings with the main / sub-contractor in coordination with plant maintenance, operation, planning, rotating and electrical dept for all instrument related projects.
- 1.05. Prepare as-built / construction drawings (ILD and Hook-up) for all instrument scopes.
- 1.06. Coordinate with the contractor Site Engineer for the replacement / installation of 97 nos. of control valves, level transmitter/switch, PDTx, flow Tx, temperature sensor (RTD's and thermocouples), motorized operated valve (MOV).
- 1.07. Prepare the inspection and test plans as per project scope.
- 1.08. Coordinate regularly with the Project-in-charge to ensure the closest integration of QC activities giving high risk to quality standard.
- 1.09. Prepare punch list for all instrument related job and submit it to the contractor for rectification.
- 1.10. Initiate action to prevent occurrence for any deviation relating to instrument scope of work and examine the correct use of materials, equipment so as not to jeopardized quality workmanship at all stages of the construction period.
- 1.11. Coordinate with the plant operation (DCS operator) for instrument tuning, stroking, hot / cold loop check.
- 1.12. Conduct cable pulling, routing & line check (continuity and integrity testing).
- 1.13. Coordinate with the project in-charge for the up-gradation of the following; ESD, DCS (Yokogawa), PLC's (Boiler Management, Demin plant, Purge Gas), Woodward Governor system (controllers and actuators), Solartron Density meter, Vibration Monitoring System (Bentley Nevada), Mug Chiller & RTK Sequence of Event recorder.
- 1.14. Conduct software verification, logic testing, start-up sequence testing, I/O test, over-speed / vibration testing and alarm / trip testing.

1.15. Submit project progress report to the management on daily basis and ensuring that planned versus actual schedule are satisfactory accomplish.

1.16. Ensure that all related documents / records, QA/QC reports, certificates, inspection report, test report, are separately filled for each designated project.

1.17. Assist the contractor to identify and acquire any control, processes, equipments, fixtures, resources, materials, services and skills to complete the job as required.

3. Position: **Service Engineer**  
Duration: Jun 2003 - Sep 2003(0.3 yrs)  
Company: FMC FoodTech  
Company Industry: Manufacturing  
Location: Parma, Italia  
Department: Eng'g Department  
Job Description: Duties and Responsibilities:

1.01. Installation, commission & maintenance of Tomato Paste line equipments (Aseptic Filler, Flash Coolers, Evaporator)

1.02. Installation, replacement and calibration of the following; Pavoni drum/crate weighing system, weighing bridge, control valves, pressure switch / transmitter, level switch / transmitters, Bricks meter & temperature sensor (RTD, thermocouple), Radar type level transmitter.

1.03. Assist in the installation, commission and start-up of motor, centrifugal pumps, motor speed controller and replacement / maintenance of the following; proximity sensors, limit switches, pneumatic / hydraulic system, and solenoid valve.

1.04. Software up-gradation and configuration of Aseptic Filler PLC and pneumatic valve Controller (PVC).

1.05. Conduct cable (Signal / power) pulling, routing, cabinet panel termination (ferrules and tagging), meggering and loop check.

1.06. As a Technical Support of FMC, assisted other Tomato Paste Plant in Northern China on-call basis.

4. Position: **Service Engineer Junior Programming and Designing**  
Duration: Dec 2001 - Dec 2002(1 yrs)  
Company: G.MKV Industrial Automation Incorporated  
Company Industry: Manufacturing  
Location: Cagayan de Oro City  
Department: Engineering  
Job Description: Duties and Responsibilities:

1.01. Responsible in control panel assembling, lay-outing, wiring, testing and commissioning.

1.02. Prepare interconnection wiring diagram using CADDY Basic drafting software.

1.03. Installation and commissioning of Automatic Palletizer, Bottle De-scrambler / washer, case loader, PIPO accumulator, cooker cooler and other related works in the manufacturing department.

1.04. PLC logic modification, I/O mapping and testing.

1.05. LAN and office equipment maintenance.

5. Position: **Technician**  
Duration: Nov 1996 - Feb 2007(10.3 yrs)  
Company: Electroworld Office System  
Company Industry: Computer / Information Technology (Hardware)  
Location: Cagayan De oro City  
Department: Sales and Service  
Job Description: Duties and Responsibilities:  
1.01 Set-up, hardware / software configuration, and commission of personal computer depending on the customer request.  
1.02. Maintenance and component level repair of the following; printer, power regulators (AVR & UPS), fax machine, CPU, telephone set.  
1.03. Assist in sales / marketing and ensure proper delivery to the customers.
6. Position: **Technician**  
Duration: Jul 9, 1994 - Oct 31, 1995(1.3 yrs)  
Company: Electron Service System  
Company Industry: Electrical & Electronics  
Location: Gusa, Cagayan de Oro City  
Department: Service & Manufacturing  
Job Description: 1. Fabrication of HF, VHF and UHF antenna system.  
2. Installation and Commission of two way radio communication.  
3. Designing Radio Repeater system.  
4. Assembling and software configuration of personal computer.  
5. Component level service repair for all househod appliances including aircon and refrigeration system.

## SKILLS

Skill	Yrs of Experience	Remarks
1. CONSUMER ELECTRONICS AND OFFICE EQUIPMENTS TECHNICIAN	14 YRS	
2. MICROSOFT OFFICE APPLICATION SOFTWARE OPERATOR (PROJECT, VISIO, WORD, EXCEL & POWER POINT)	12 YRS	
3. TWO WAY RADIO COMMUNICATION TECHNICIAN(HF, VHF, UHF) & ANTENNA SYSTEM	11 YRS	CAN HANDLE COMPONENT LEVEL REPAIR, INSTALLATION AND COMMISSIONING.

## TRAININGS/SEMINARS

Date	Topic/Course Title
Jul 29, 2006- Aug 2, 2006	Woodward Governor Controller 505/505E Woodward Governor (Japan), Ltd. SABIC Training Center
Feb 4, 2006- Feb 8, 2006	Advance Process Modeling using Aspen HYSIS AspenTech Ar Razi Plant, SABIC

Nov 12, 2005- Nov 16, 2005	MS5002C Gas Turbine (Operation and Maintenance) GE Energy Oil & Gas Suadi Arabian Fertilizer Company
Mar 8, 2004- Mar 12, 2004	Vessel Traffic Management System Japan Radio Co., LTD. Phividec Industrial Authority
Feb 22, 2004- Feb 22, 2004	Outside Plant (OSP) IECEP-NM Grand City Hotel
Feb 7, 2002- Feb 7, 2002	Effects of Harmonics to I.T. and Telephone Equipment IECEP-NM VIP Hotel
Dec 7, 2001- Dec 9, 2001	Instrumentation and Industrial Calibration, DSL, Digial Broadcasting CITE, PLDT, JICA Cebu Plaza Hotel
May 6, 2001- May 6, 2001	PLC - Setting the Trend in Automation Siemens Phils VIP Hotel thru IECEP-NM
Mar 26, 2001- Apr 18, 2001	RF & Out-Side plant Technician Department of Telecommunication Office (CDOC) Telecommunication Office
Mar 4, 2001- Mar 4, 2001	Power Surge Protection and Grounding System for Sensitive Equipment IECEP-NM Chapter VIP Hotel
Sep- Oct 2007	Basic Industrial Motor Control Mindanao Polytechnic State College DCS Centum 3000 R3 Engineering Yokogawa Middle East , Bahrain YME Traninig Center