



ENGR. RAPHAEL P. PINEDA, ECT

SENIOR FLIGHT SIMULATOR TECHNICIAN

WORK EXPERIENCE

Alpha Aviation Group

- **Senior Flight Simulator Technician (May 2025 - Present)**
 - Shift leader, overlooks all maintenance task conducted.
 - Mentor junior technicians and provide on-the-job training.
- **Flight Simulator Technician (August 2018 - June 2025)**
 - Maintains Training Devices to regulatory and company standards, ensuring that devices are ready for training use.
 - Performs preventive maintenance task on the Simulators.
 - Performs Quality Test Guides (QTG) including Motion Systems, Visual Systems and Sound systems.
 - Investigates major malfunctions, conduct troubleshooting for technical issues and update tickets via manufacturer's website and with our company's electronic logbook to keep track of all each simulator issues.
 - Performs training device updates hardware and software.
 - Provides total customer support service that includes assistance to Flight Instructors and accompanying clients for their inquiries of the training devices.
 - Performs pre-flight and post flight on all Simulators.
 - Provides both remote and onsite technical support for sister companies and other organizations requiring simulator technology assistance, both internationally and locally.
 - Specializes in electronics field, tracing problem and troubleshooting using schematic diagram and perform in-house repair of defective parts.
 - Engages in a rotating schedule.
 - Flight Simulator Devices handled:

Full Flight Simulator A320

LEVEL D, EASA Certified, CAAP Certified
Engine: CFM 56-5B4 / IAE V2527-A5
Manufacturer: CAE

Full Flight Simulator A320

LEVEL D, EASA Certified, CAAP Certified
Engine: CFM 56-5B4 / PW1127G-JM
Manufacturer: ACRON (L3 HARRIS)

Full Flight Simulator A330/340

LEVEL D, EASA Certified, CAAP Certified
Engine: A330/A340
Manufacturer: Sim Industries (CAE)

Full Flight Simulator A320

CAAP Certified
Engine: CFM 56-5B4 / LEAP-1A26
Manufacturer: China Simulation Sciences

A320-200 Virtual Procedure Trainer

LEVEL 4, CAAP Certified
Engine: CFM 56-5B4 / IAE V2527-A5
Manufacturer: ACRON (L3 HARRIS)

Fixed Base Simulator A320

LEVEL FNPT II and FTD 1, CAAP Certified
Engine: CFM 56-5B4 / IAE V2527-A5
Manufacturer: MPS

ALSIM200

LEVEL FNPT II, CAAP Certified
Engine: Multi-Engine Turbo Fan - Cessna Citation II
Manufacturer: ALSIM

AL172

LEVEL FNPT II, CAAP Certified
Engine: Single Engine Piston C172
Manufacturer: ALSIM

SMK Electronics Corp. (PH)

January 2016 - June 2018

- **Process Engineer**
 - Create manufacturing processes, and conduct defect analysis, engineering evaluations, and statistical analysis and implement corrective and preventive actions to support process improvements.
 - Responsible for the creation of documents such as PFMEA (Process Failure Mode and Effects Analysis), Control Plan, Instruction Manuals and Production Check sheets for the implementation of quality standard operating procedure (SOP).
 - Responsible for Investigating and troubleshooting problem on faulty lines
 - Improve and implement measures to improve production methods, equipment performance, process capability, and product quality.
 - Participate and stand as head of cross functional team.
 - Evaluates materials, equipments, machines, jigs and tools before start of mass production to assure excellent production quality.
 - Conduct process orientation, trainings and awareness to operators, technicians, leaders to assure quality output per process.

CERTIFICATIONS

Registered Electronics Engineer

Professional Regulation Commission Manila Philippines, December 2015

Registered Electronics Technician

Professional Regulation Commission Manila Philippines, December 2015

Consumer Electronics Servicing NCII

TESDA, Philippines, 2014

CONTACT

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EDUCATION

TERTIARY

Bachelor of Science in Electronics
Engineering

Don Honorio Ventura Technological
State University (2010-2015)

SECONDARY

University of the Assumption
(2006-2010)

ADDITIONAL SKILLS

- Excellent verbal and Written communication skills in English and Filipino
- Proficient in using Microsoft Offices (MS Word, MS Excel, MS Powerpoint)
- Proficient in Adobe Illustrator, Canva and Figma
- Knowledgeable in HTML, CSS and Javascript Coding.

REFERENCE

Can be provided upon request.