

Industrial Engineer

Rachellaine Sumague



As an accomplished Product Configuration Supervisor with a strong foundation in SAP, status accounting, and aerospace configuration management, I bring a unique blend of technical expertise and leadership. With hands-on experience in 2D/3D design using PLM software, I excel in optimizing processes, improving system efficiencies, and managing complex configurations in the aerospace sector. My passion for innovation and precision drives my ability to lead teams in delivering high-quality results, ensuring seamless integration of processes into ERP, PLM, and MES systems. I am committed to leveraging my skills to enhance operational excellence and contribute to the success of forward-thinking organizations.

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What I Do



Systems Applications and Products (SAP)

My deep understanding of SAP allows me to effectively manage production workflows, ensuring that every aspect of operations is meticulously tracked and efficiently executed. I have a proven track record of leveraging SAP to enhance data accuracy, improve decision-making, and drive significant operational improvements.



2D/3D using PLM Software

My expertise in utilizing PLM tools for 2D and 3D modeling allows me to create detailed designs that streamline production processes, enhance product quality, and ensure alignment with engineering standards. By leveraging advanced PLM software, I have successfully led teams in the development of efficient, cost-effective solutions that meet rigorous industry requirements.



Status Accounting

My experience in status accounting has equipped me with the skills to ensure that every phase of production is accurately documented and aligned with project timelines and quality standards. By maintaining detailed records and providing real-time updates, I support informed decision-making and enable seamless coordination across teams.



Aerospace Configuration Management

My expertise lies in meticulously overseeing the documentation and control of product configurations, ensuring that every change is accurately tracked and implemented across the production lifecycle. This attention to detail is crucial in maintaining compliance with regulatory requirements and delivering high-quality aerospace products.

Resume

Manufacturing Processes

Production Readiness Value Stream Mapping (VSM)
Root Cause Analysis

Continuous Improvement

Lean Manufacturing Cost Reduction

Project Management

Timeline and Budget Management Risk Management

Software Tools

SAP (ERP System) MES (Manufacturing Execution System)

Design

PLM (SIEMENS) Adobe Acrobat MS Visio
NX PLM (SIEMENS)

Technical Documentation

Change Management Work Instruction
Creation of Bill of Materials
Failure Mode and Effects Analysis (FMEA)

Work Experience

DEC 2023 – PRESENT
COLLINS AEROSPACE



PRODUCT CONFIGURATION SUPERVISOR

First Philippine Industrial Park, Ulango, Tanauan City, Batangas, Philippines

Led a team in configuring Airbus (Business Class seating and Cabin) and Boeing (Lavatory) products:

- Created Bills of Materials (BOM) from engineering design releases to manufacturing setup processes, inputting parts into the ERP system (SAP) to generate demand for Supply Chain Management (SCM) and manufacturing work orders.
- Developed Bills of Process (BOP) by creating work centers in the PLM system, routing work instructions to the Manufacturing Execution System (MES) for technicians to follow step-by-step.
- Authored detailed Work Instructions for production sequences using PLM software, Visio, and Acrobat PDF, ensuring clarity in operational processes.

Strategized plans to meet daily targets, compile monthly reports, and support production issues through:

- Conducting Tier 1 meetings for daily and weekly target alignment with team members.
- Participating in Tier 2 meetings with all department supervisors to address production issues.
- Collaborating in Tier 3 meetings with managers for escalated concerns.

Managed system improvements using the DIVE (Define, Investigate, Verify, Execute) methodology:

- Automated the creation of Manufacturing BOMs, reducing lead time from 5 days to 2 days by developing macro tools and streamlining repetitive processes.
- Designed a new production flow for machine cutting of raw materials, decreasing lead time for technicians.
- Established a process for addressing SCM demand issues in SAP, integrating with planning teams and SCM demand systems to manage frequent engineering change releases.
- Led process documentation efforts, facilitating a CORE event with the engineering team to discuss SIPOC, DFMA, process flow, and VSM.

Engineered efficient layouts for equipment and workspaces:

- Implemented projects using Augmented Reality (AR) and Virtual Reality (VR) for work instructions, enhancing training programs for new technicians.

Provided technical support and ensured compliance with production methods:

- Reviewed and supported production issues related to BOM, BOP, and SAP systems, ensuring smooth operations.

JANUARY 2024
COLLINS AEROSPACE



BUSINESS TRAVEL: COLLINS AEROSPACE (US BRANCH)

📍 Everett, Washington, USA

Objectives and Activities:

- Business Meetings: Participated in high-level discussions with branch leaders to review ongoing projects, discuss strategic initiatives, and set the direction for future collaborations.
- Goal Alignment: Worked closely with the leadership team at the Everett branch to align on key business objectives, ensuring that all teams were working towards the same goals.
- Process Mapping and VSM: Conducted a detailed process mapping and Value Stream Mapping (VSM) exercise to analyze the current state of operations and develop a streamlined future state that enhances efficiency and reduces waste.

APRIL 2023
COLLINS AEROSPACE



BUSINESS TRAVEL: COLLINS AEROSPACE (UK BRANCH)

📍 Kilkeel, Newry, United Kingdom

Objectives and Activities:

- Benchmarking Manufacturing Processes: Conducted a thorough analysis and comparison of existing manufacturing processes at the Kilkeel branch to identify best practices and areas for improvement.
- Technology Transfer: Facilitated the transfer of advanced manufacturing technologies from the Kilkeel branch to the Philippines, ensuring smooth integration and adaptation of these technologies into the local operations.
- Customer Engagement: Held strategic meetings with key customers to discuss their needs, expectations, and feedback, fostering stronger relationships and ensuring alignment with their requirements.

NOV 2018 – DEC 2023
COLLINS AEROSPACE



NEW PRODUCT INTRODUCTORY ENGINEER – INTEGRATION

📍 First Philippine Industrial Park, Ulango, Tanauan City, Batangas, Philippines

Airbus A350 XWB Galleys Configuration:

- Supervised the creation of Bill of Materials (BOM) by translating engineering design releases into the ERP system (JD Edwards) for manufacturing setup.
- Implemented Engineering Change Requests (ECRs) by evaluating drawing changes and ensuring manufacturing capability alignment within the ERP system.
- Revised and updated Electronic Work Instructions to reflect engineering changes, ensuring accurate and efficient production processes.

Production and Reporting:

- Developed daily plans to meet target requirements, supported production issue resolution, and presented findings at Tier 2 production line meetings.
- Led the monitoring of NPI engineers, ensuring seamless integration and optimization of new product releases, and facilitated deployment readiness using NPI checklists and key task monitoring.
- Created and submitted monthly reports on scrap induced by design engineering or production execution, and aligned labor hours with departmental targets.
- Optimized loose parts management and packaging processes, resulting in a 40% reduction in production floor inventory.
- Designed a system flow for a new business unit, leveraging profit-sharing strategies, and secured management approval for establishing the unit within the SAP framework.

OCT 2017 – OCT 2018

ROCKWELL COLLINS



MANUFACTURING ENGINEER

First Philippine Industrial Park, Ulango, Tanauan City, Batangas, Philippines

- Developed electronic work instructions for production technicians to ensure accurate and efficient execution of tasks.
- Controlled the Bill of Process and conducted internal audits driven by Engineering Change Notices (ECNs) to maintain process integrity.
- Monitored and improved yield within assigned assemblies, ensuring optimal production efficiency.
- Identified efficiency issues and suggested improvements to enhance overall production performance.
- Investigated problems, analyzed root causes, and implemented effective resolutions to maintain smooth operations.
- Implemented cost reduction initiatives while maintaining high quality standards to optimize resource utilization.
- Created detailed technical reports to document findings and support decision-making processes.
- Enhanced product quality by investigating and addressing issues, resulting in improved customer satisfaction.

FEB 2015 – OCT 2017

B/E AEROSPACE



MANUFACTURE DATA ENGINEER

First Philippine Industrial Park, Ulango, Tanauan City, Batangas, Philippines

- Assessed and implemented Engineering Change Notices within the Bill of Materials, ensuring accurate reflection of design updates.
- Audited Bill of Materials and JD Edwards entries to maintain data accuracy and compliance.
- Evaluated new design releases to determine whether components should be purchased externally or manufactured in-house, collaborating with purchasing and manufacturing teams.

JUNE 2014 – DEC 2014

B/E AEROSPACE



ON THE JOB TRAINEE

First Philippine Industrial Park, Ulango, Tanauan City, Batangas, Philippines

Education

2009 – 2014



Bachelor of Science in Industrial Engineering

Batangas State University (The National Engineering University)
(Alangilan, Batangas City, Philippines)

Certificates and Awards

	Certificate of Recognition 9 YEAR SERVICE MILESTONE		CORE QUIZ CABIN INTEGRATION 15-19 OF APRIL, 2024
	Certificate of Recognition 8 YEAR OF SERVICE MILESTONE		ACE OF INITIATIVE AWARD Q1 OUTSTANDING ACCOMPLISHMENT 16TH OF JUNE, 2021
	Certificate of Recognition 5 YEARS OF DEDICATED SERVICE 6TH OF FEBRUARY, 2020		CERTIFICATE OF ACHIEVEMENT PROJECT MANAGEMENT FUNDAMENTALS CERTIFICATION 6TH FEBRUARY, 2021
	Certificate of Appreciation PRODUCTION ENGINEERING BOARD 1ST OF DECEMBER, 2018		CERTIFICATE OF COMPLETION BASIC TO ADVANCED MS EXCEL 12TH OF JULY, 2020
	BEST IN DIVE (DEFINE, INVESTIGATE, VALIDATE, EXECUTE) PROJECT EWI-HOV CYCLE TIME IMPROVEMENT 18TH OF DECEMBER 2019		CERTIFICATE OF COMPLETION PROJECT MANAGEMENT 101: INTRODUCTION TO TRADITIONAL, HYBRID, AND AGILE PROJECT MANAGEMENT 16TH OF JULY, 2023
	Certificate of Recognition INNOVATION		
	Certificate of Recognition ACCOUNTABILITY		
	Certificate of Recognition COLLABORATION		
	Certificate of Recognition COLLABORATION		
	Certificate of Recognition COLLABORATION		

Contact



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