

CHRISTIAN M. BOLAÑOS

INDUSTRIAL ENGINEER

CERTIFIED LEAN SIX SIGMA YELLOW BELT

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Baluk-Baluk, San Nicolas, Batangas 📍

EDUCATION

BATANGAS STATE UNIVERSITY - MAIN II

4200 Alangilan, Batangas City

Bachelor of Science in Industrial Engineering

June 2014 - 2019

- Published thesis: Reduction of defects & quality improvement using Six Sigma DMAIC approach at ABC sticker company.

- IE Department Quizer: BSIE Regional Congress Quiz bee and Department Quiz Show 2018 - 2019

WYETH NUTRITION PHILS.

4028 Canlubang, Laguna

Student Trainee (IE) - 500 hrs OJT

Jan - Apr 2018

Assigned to warehouse management system and inventory monitoring on the A&TG improvement parts.

Performed product development analysis testing and trials.

PROFESSIONAL EXPERIENCE

DB SCHENKER PHILS INC.

Km19 W.Service Road, San Antonio Paranaque, Phils.

APAC EA Cluster Leader for Philippines & Indonesia CL Operations

Apr 2023 - Present

Sr. Executive, Engineering & Automation

Mar 2022 - Present

Responsible for leading and delivering engineering & automation solution projects for Schenker's existing Customers / Operations. This includes but not limited to Operations turnaround solutions, metrics/productivity controlling, process mapping, lean six sigma practices, layout designs, resource determinations/validations and other industrial engineering-based activities.

Retrofit: Automation Screening - Samsung Operations

Apr - Jun 2022

- Performed operation analysis and process mapping to come up with 8 manpower reduction on VAS non tech process and 3 for receiving process resulting 19% decrease in labor cost.
- Proposed conveyerize solution to reduced NVA activities and increase 28% of efficiency on process and sealing and packing automated machine as response to low operation productivity.

Loading Dock Process Optimization - BTS Abbott Laboratories

Jun - Jul 2022

- Reduction of inbound processes congestion issue from lack of visibility on arrival deliveries with opportunity to increase productivity up to 34%.
- Proposed Yard management system as major innovative response for forecasted delivery accuracy and inbound strategic operation planning and management.

Order Intake: Estee Lauder PH Operations

Jul - Aug 2022

- Through deep operation analysis and process and resources study, automation opportunities were recommended to reflect on Year 4 to give 24% productivity increase such as AGV and Semi auto pack and seal from ELC demand and resources deep analysis

Retrofit: Automation Screening - Veterans Smart Operations

Aug - Oct 2022

- Performed operation and data analytics to see overall operation productivity causing inefficiency
- From end-to-end analytics, phase 1 - 3 customization processes project was proposed to reduce 24 manpower inputs to increase productivity by 18%

Project: Innovation Laboratory - DB Schenker SLC - WH5

Oct - Mar 2023

- Performed excellent project management to complete all activities with respect to targeted timeline and deliver output while managing the budget limits.
- Project was signed off and subject to showcase as DB Schenker branding of innovation.

VAS Scout: BIB & R6 Production - BTS Abbott Laboratories

Jul 2023 - Present

- Applied the 6 major step of automation with deep analysis and finding of 64% impact to DLP in manual operations with proposed resolution up to 189k EUR labor cost savings for 2 modular BIB & R6 automation.
- Potential 45% general increase impact to productivity, process efficiency and quality were proposed.

Methods Engineer**Jan 2020 - Mar 2022**

Responsible in implementing immediate resolutions for logistics & production process related issues and initiating process improvement projects that promotes quality and standardization, practice lean and reduces cost to increase productivity and efficiency of the manufacturing operations.

Project 1: CLP OWS & JBS Provision - Manufacturing Engineer**Feb - Apr 2020**

Performed process mapping, VSM and time study for work instruction provision across the CLP operations

- Implemented time measurement and standardization
- Identified the VA & NVA activities and process are aligned within the audit points
- Process lead times and takt time are monitored within it's logistics efficiency

Project 2: Marnaco Warehouse Rack Optimization - Project Leader**Aug - Sept 2020**

Optimization project to increase the storage capacity in order to reduce cost

- Capex 136k USD - Large Scale
- Cost Avoidance of 186k USD for closing multiple rental warehouse.
- Up to 52% increase in storage capacity
- Performed space utilization from transforming non value to value added floor space
- Used Autocad 2D for the floor layout and Sketch up 3D for the racking elavation

Project 3: Mobile Workstation Implementation - Project Leader**Apr - Jun 2021**

Enhanced work flow efficiency and utilization of shop floor by developing mobile workstation

- Capex 3.96k USD
- Increased logistic efficiency for receiving and material handling standards
- Improved ergonomics issues by the design with alignment to anthropometric measures
- Used autocad 2D and sketch up 3D software for the trials and development stage

Project 4: PSC-HBN RMA Line Project - Project Design Engineer**May - Jul 2021**

Design & build new production line for repair & maintenance assembly (RMA)

- Capex 46k USD
- Increased RMA efficiency by 22% from improving services spares capacity up to 300 - 400 units
- Reduced FFR thru meaningful thru repair analysis and lean concept line architecture
- Used DMAIC approach project methodology with specialized autocad 2D & 3D designs

Project 5: Cav 5 & Cav 3 Warehouse Optimization - Project Leader**Apr - Sept 2021**

Optimized the warehouse architecture especially the storage to increase capacity and improve productivity

- Capex 271k USD - Large Scale
- Cost avoidance 318k USD from closing the 2 rental external warehouse
- Improve the logistics efficiency by reducing the lead time for transportation of raw materials replenishment to production
- Increased the receiving capacity by 75% of +3 unloading at a time
- Increased storage capacity up to 32% (Cav 5) & 57% (Cav 3)
- Reduced process cycle time and waste of motion and transport from having wide aisles (NVA) transforming to very narrow aisle (VA)
- Used Lean concept + DMAIC approach project methodology with specialized autocad 2D & 3D

Project 6: Panorama & Yujin Logistics Storage Optimization - Project Leader**Oct - Nov 2021**

Improving the storage capacity considering the FG's stacking, sizes & space allocation

- Capex 5.3k USD
- Increased storage capacity by refurbishing & reusing old racks to have 4190 pallet capacity
- Allocate storage for halfbuild FG units in response for NMC and late battery adoption
- Used autocad 2D for the floor layout and Sketch up 3D for the racking elavation

PERFORMANCE AWARDS

Award 1: Surge Award "Embrace Difference" Award from <i>Ravindra Bharadwaj - Vice President of PH Operations</i> Award Title: CLP & CAV3 Warehouse Relayout. CMA/RMA setup (Brain of Logistics Improvement)	<i>Jul 17, 2021</i>
Award 2: Spotlight Award "Dare to Disrupt" Award from <i>Mar Castillo - Logistics Platform Sr. Manager</i> Award Title: CLP Rack Optimization	<i>Sept 01, 2021</i>
Award 3: Spotlight Award "Dare to Disrupt" Award from <i>Ric Ramirez - Warehouse Supervisor</i> Award Title: CLP & Marnaco Warehouse Optimization	<i>Oct 21, 2021</i>
Award 4: Spotlight Award "Learn Everyday" Award from <i>Aaron Duliesco - Deployment Transformation Leader</i> Award Title: Special Project for Panorama & Yujin Logistics	<i>Nov 02, 2021</i>

PROFESSIONAL SKILLS

• Autocad 2D & 3D (Proficient)	• MS Office	• Problem Solving	• Oracle Software
• Sketch-up 3D (Proficient)	• Minitab	• Decision Making	• Communication
• Power BI (Proficient)	• Design tools	• Collaboration	• Negotiation
• Project Management (Proficient)	• Power Apps	• Creativity	• Time Management

PROFESSIONAL DEVELOPMENT ACTIVITIES & MAJOR TRAININGS

Training 1: Lean Six Sigma Yellow Belt Certification Batangas State University - Main II Alangilan, Batangas City	<i>May 2019</i>
Training 2: Lean Expert and Fundamentals APC by Schneider Electric Peza, Rosario, Cavite	<i>Feb 2021</i>
Training 3: IE 220 PASO Resource Modelling DB Schenker Phils Inc. Km 19 W. Service Rd. San Antonio, Paranaque	<i>Apr 2022</i>
Training 4: IE 503 PASO Introduction to Warehouse Automation DB Schenker Phils Inc. Km 19 W. Service Rd. San Antonio, Paranaque	<i>Jun 2022</i>
Training 5: Power BI and Power Automate DB Schenker Phils Inc. Km 19 W. Service Rd. San Antonio, Paranaque	<i>Oct 2022</i>
Training 6: Business Operations- Profit and Loss (PnL) Training DB Schenker Phils Inc. Km 19 W. Service Rd. San Antonio, Paranaque	<i>Oct 2022</i>

CHARACTER REFERENCE

Joe Mark Guiuan - Solutions Design Executive DB Schenker Phils. Inc +63 917 - 464 - 5532	Jenifer Zaide - Methods Engineer APC by Schneider Electric +63 955 - 467 - 1615
Jesus Emmanuel Ciriaco - Supervisor Analog Devices +63 967 - 239 - 3312	Jackilou Tercero - Manager, OE Ceva Logistics. +63 927 - 684 - 2441