CHRISTOPHER C. DELA PENA, PMP, PE

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**PROJECT MANAGER & ENGINEERING MANAGER**

Engineering Manager • Program Manager • Product Manager • Project Manager

Project Management • Resource Management • Lean Production • Product Improvement

Increased Productivity • Reduced Costs • Eliminated Disruptions • Defect Reduction

Annual Excellence Awards 2014-2019 • Recognized Leader • Promoted Early

**WORK EXPERIENCE**

**The Boeing Company,** Greater Seattle, WA **Oct 2010 - present**

*Promoted several times at global aircraft manufacturer*

**Engineering Manager, Production Support Engineering Dec 2017 – present**

* Leads 14 person engineering team providing ~250 airplane hardware repairs per week.
* Saved over $350,000 per year in rework and scrap costs by revising engineering specification to clarify requirements for welding of propulsion duct.
* Eliminated rejections of discolored nickel-alloy hardware, preventing factory-stoppage and saving $275,000 per year in material and labor.
* Reduced 737 rework and scrap costs by $162,000 per year and improved employee safety by managing engineering change to use soft rivets to assemble ergonomically difficult parts.
* Achieved 200 hours of flow time savings and $27,000 in administrative cost savings by creating innovative workaround to allow parts not meeting full requirements to be utilized while specification was being revised to match production capability.
* Achieved $26,000 rework cost savings by simplifying production documentation on thermally insulated parts, eliminating confusion and manufacturing errors.
* Streamlined existing tube trimming process, removing $7,000 worth of redundant processing per year.
* Decreased defective engineering repair releases by 44% through standard work creation and team coaching, saving 18 hours of engineering rework time per week.
* Improved turn-time of process modification task by a full day, a time reduction of 40%, through batch processing, team training and standard work creation.
* Orchestrated team usage of a new high-velocity engineering repair process by 17%, resulting in 418 hours of flow time reduction each month.
* Increased engineering team repair completion speed an average of 13% through training and staff leveling, reducing the flow time to complete each repair an average of 16 minutes.

**Lead Engineer, Production Support Engineering Jun 2015 – Dec 2017**

* Mentored and trained engineering team responsible for providing ~160 aircraft hardware repairs per week across all 737, 747, 767, 777 and 787 models.
* Accelerated team adoption of “defect reduction” culture that simplifies part engineering and build processes to ease production, resulting in 20% annual defect reduction.
* Reduced $108,000 of annual rework cost from stow-bin structure by revising design to remove stringent metal surface requirement prior to application of primer.
* Eliminated $29,000 of part marking costs per year by authorizing use of pre-made adhesive labels in lieu of hand-silkscreening for a variety of hardware.

**Production Support Engineer Oct 2010 – Jun 2015**

* Produced over 800 aircraft hardware repairs per year in fast-paced production environment, saving over $1M per year in hardware that would have otherwise been scrapped.
* Resolved chronic quality problem on wing structure through testing and analysis, eliminating the need to purchase additional capital and infrastructure improvements valued at over $10M.
* Resolved electrical resistance issue on 737 duct actuation hardware, reducing rework and scrap costs by $131,000 per year.

**Cardno ERI,** Tukwila, WA **May 2010 – Oct 2010**

**Environmental Engineer**

* Design, implementation and maintenance of soil and water remediation systems.

**Barghausen Consulting Engineers,** Kent, WA **Mar 2007 – Aug 2009**

**Civil Engineer**

* Design and construction oversight of over 40 land development projects.

**EDUCATION**

**University of Southern California 2014**

**Master of Science in Systems Engineering**

**University of Washington 2007**

**Bachelor of Science in Civil Engineering**

**CERTIFICATIONS AND SKILLS**

Project Management Professional (PMP) certification, Professional Engineer (PE) certification, Material Review Board (MRB) certification, Structured Query Language (SQL), C#, C, Java, HTML, CSS, Git, GitHub, Lean Six Sigma, 5S, Microsoft Project, Excel, Manufacturing Execution System (MES), CATIA, AutoCAD, Civil3D