

Juan S. Cortes S.

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Education

Master of Science in Engineering Management

University of Michigan. Dearborn, Michigan 2001-2003.

Bachelor of Science in Mechanical-Electrical Engineering

Tecnologico de Monterrey. Atizapan, Mexico 1991 - 1995. Graduated with Honors.

Certifications and Achievements

- Inventor for U.S. Patent # 9,604,671. Granted Mar. 2017.
- Black Belt – Reactive Problem Solving. Chrysler LLC. Certified Sept. 2014
- Red X Journeyman, Shainin LLC. Certified Sept. 2014
- Black Belt – Design for Six Sigma. Chrysler & ASI. Certified Apr. 2013
- Internal Coach, International School of Professional Coaching Feb. 2012

Professional Experience Summary

- 22 years of professional experience with broad industrial knowledge in Product Engineering, Quality, Manufacturing, Production Control and Procurement.
- Fully Bilingual Spanish (native) and English (6 years as Expat working in USA).
- Extensive leadership training and skills.

Professional Experience Detail

Fiat Chrysler Automobiles Mexico, Santa Fe Product Engineering

Mexico City, Current

Senior Manager – Global Wiring

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- Lead the Global Power and Signal Distribution Wiring team, which consists of about 100 engineers, to Design and Develop innovative global solutions for Wiring systems and components.
 - Provide complexity reduction and cost optimization strategy for PASD.
 - Align Energy Management & PASD development with robust global solutions and release processes to ensure timely and accurate global execution.

Fiat Chrysler Automobiles Mexico, Santa Fe Product Engineering

Mexico City, April 2016 to March 2020

Senior Manager – Automotive Systems and Components Engineering

- Manage a group 240 engineers responsible for the design, release and integration of Systems and Components for Body, Interior, Chassis, Engine Systems, Electrical and Electronics
- With responsibility for continuous engineering and on-site Launch Support over the multiple corporate platforms: Jeep CUV, Ram, Journey, Fiat 500, and ProMaster; both for the NAFTA region and International markets.
- Define strategies for resource allocation and planning for future model needs.
- Responsible for the department's operational budget up to US\$5M per year.
- Develop and implement cost reduction initiatives (MCMs/TCRs) up to US\$25M per year.
- Address significant quality issues through product actions to improve the Warranty indicators.
- Manage leadership development programs for Managers and Supervisors.
- Lead deployment of DFSS and Reactive Problem Solving.

Chrysler de Mexico, Santa Fe Product Engineering

Mexico City, February 2014 to March 2016

Manager Body Engineering – Design Responsible

- Manage a group 70 Product Engineers responsible for the design and release of Body Engineering Components Body-in-White, Closures, Electro-Mechanical and Exterior Systems.
- With responsibility for continuous engineering and on-site Launch Support over the multiple corporate platforms: Ram, Journey, Freemont, Fiat 500, and ProMaster; both for the NAFTA region and International markets.
- Execution of Facelift (Mid-Cycle Action) Programs.
- Responsible for the department's operational budget up to US\$5M per year.
- Develop and implement cost reduction initiatives (MCMs/TCRs) up to US\$10M per year.
- Address significant quality issues through product actions to improve the Warranty indicators.
- Lead deployment of DFSS and Shainin for Body Engineering in Santa Fe.

Chrysler de Mexico, Santa Fe Product Engineering

Mexico City, March 2008 to January 2014

Engineering Supervisor – Body & Exterior

- Manage a group of 20 Product Engineers responsible for the design and release of Body-in-White components such as Underbodies, Body shells, Pick-up Boxes, etc. Also, during some periods of time I've had responsibility over Closures, Electro-Mechanical and Exterior Systems.
- Execution of MCA's for 2012JC and 2014MK.
- Address significant quality issues through product actions to improve the Warranty indicators.
- Coordinate with the Customer Satisfaction Teams to address corporate quality initiatives.
- Provide response to line stoppage issues or yard holds.
- Administer and update Nx/CATIA designs, weld specifications, material standards, dimensioning and tolerances.
- Release EKF rules and DVP&Rs for all corporate labels.
- Prepare and submit Compliance Reports for all Body certification requirements.
- Lead DFSS deployment for Body Engineering in Santa Fe.

Chrysler de Mexico, Supplier Quality

Mexico City, September 2007 to March 2008

Supplier Quality Manager:

- Manage the Supplier Quality Team for Interior Components supervising the activities of 4 Supplier Quality Specialists, responsible of the AQP activities following commodities: Hard/Soft Trim, Heating, Air Conditioning, Seats, Restraints, Airbags, Steering Wheels, Instrument Panels, Overhead Systems, Consoles, and Floor Storage.
- Coordinate all related activities for AQP (Advanced Quality Planning) leading to PPAP (Production Parts Approval Process) for the interior components of the Dodge Journey and other corporate programs with a supply base of more than 50 Tier 1 suppliers.
- Ensure adequate use and validation of corporate quality tools such as: Error and Mistake Proofing, 5 why's, Critical Thinking, Shainin, Process and Design Failure Mode and Effects Analysis, Control Plan, Gauge Repeatability and Reliability
- Implement and validate corrective actions for production quality problems.

DaimlerChrysler de Mexico, Supplier Quality

Mexico City, April 2006 to August 2007

Supplier Quality Specialist:

- Coordinate all related activities for AQP (Advanced Quality Planning) leading to PPAP (Production Parts Approval Process) for 12 productive material suppliers for stamping and chassis (including our two largest frame Suppliers Metalsa and Formex).
- Ensure adequate use and validation of corporate quality tools such as: Error and Mistake Proofing, 5 why's, Critical Thinking, Shainin, Process and Design Failure Mode and Effects Analysis, Control Plan, Gauge Repeatability and Reliability
- Implement and validate corrective actions for production quality problems.

DaimlerChrysler Corporation, Jeep & Truck Engineering

Detroit, MI September 2000 to March 2006

Sr. Product Engineer – Truck Door Sheet Metal:

- Coordinate the design and release of Body in White (steel stampings) components and assemblies for door systems; including GD&T (Geometric Dimensioning and Tolerances), welding, and sealing specifications; with lead responsibility over 4 engineers.
- Lead and implement engineering changes for quality improvements and cost reductions.
- Review and approve Tool Repeatability Studies as well Gauge Repeatability and Reliability Studies.
- Approve dimensional integrity of components at Die buy-offs.
- Review and approve Dimensional Capability for new assembly lines.

DaimlerChrysler de Mexico, Lago Alberto Assembly Plant

Mexico City, March 1999 to August 2000

Resident Engineering Supervisor:

- Manage a team of 4 Resident Engineers for Body in White (stamping), Interior, Exterior, Torque, and BSR (Buzz, Squeals, and Rattles).
- Define and implement initiatives for quality improvement.
- Administer the Quality Fund Budget for projects up to US \$1.5M.
- Coordinate and run all Production Evaluation Requests.
- Implement all initiatives directed by corporate Product Engineering, addressing process and manufacturing concerns.

Chrysler de Mexico, Lago Alberto Truck Assembly Plant

Mexico City, July 1998 to March 1999

Resident Engineer for Body in White:

- Define and implement initiatives for quality improvement.
- Coordinate and run all Production Evaluation Requests.
- Implement all initiatives directed by corporate Product Engineering, addressing process and manufacturing concerns.
- Administer ISO9000 procedures and documents.

Ford Motor Company, Export Operations Plant

Cuautitlan, Mexico. January 1998 to July 1998

Manufacturing Engineering - Process Engineer:

- Define and release processes and materials for the manufacture of Checking and Assembly Fixtures.
- Develop local suppliers for Checking Fixtures components.
- Estimate manufacturing costs.
- Revise and approve tooling designs contracted to external design houses.
- Administer ISO9000 procedures and documents.

Ford Motor Company, Export Operations Plant

Cuautitlan, Mexico. March 1997 to December 1997

Production Control - Materials Analyst:

- Procure local and imported materials and tool components.
- Establish build schedule for suppliers.
- Coordinate capital expenditure projects for machinery.
- Administer ISO9000 procedures and documents.

ICA Fluor Daniel, General Office Building

Mexico City, March 1996 to February 1997

Construction Industry - Procurement Engineer:

- Fiber Optic Procurement & Supply for the Avantel-MCI Project.
- International contracts administration: Invoice and Payments control.
- Control of Customs Brokers: imported material tracking and payments.
- Electrical materials buyer: Power generation equipment, Transformers, High voltage insulated cables.
- Supervisor of Electrical Power installations for onsite Substation Power Generation.