

PROFESSIONAL EXPERIENCE

Process Engineering Manager

Citrofrut (Grupo Proeza) Jul 2016 - Present Mexico

Design and implementation of an Operative System based in Lean Manufacturing philosophies, methodologies, and tools (5S's, Visual Management, Standard Work, TMP, Kaizen) prioritizing the safety of the people and the quality of the products. This implementation has achieved a culture of discipline and continuous improvement, as well as an increase in productivity and business profitability.

Coordination of a digital transformation initiative which resulted in measurement and report systematization (Power BI, Oracle-Apex) from the mapping and alignment of key performance indicators across the value chain (lagging/leading). In consequence, the operations control and the decision making processes have improved.

Definition of standard parameters and optimal process conditions per product, documenting them in Control Plans (Core tools) and Standard Work Instructions (TWI Methodology), minimizing process variability.

Measurement Systems Standardization (MSA/R&R) across the national Plants.

Statistical data analysis for the evaluation of deviations and the validation of new processes, as well as the identification of trends and correlations (ANOVA, regression, control charts).

Problem solving analysis using the 8D Methodology and basic statistical tools.

Research and Development Engineer

Daltile Sep 2014 - Jan 2016 Mexico

New products formulation and development (ceramic frit and glaze) to improve quality and/or reduce costs, assuring market competitiveness.

Technical feasibility tests using Design and Analysis of Experiments to reach optimal formulations.

Statistical Quality Control for the physiochemical properties of the materials.

Follow up and documentation of Kaizen Projects.

Internship

Biofase Jan 2013 - Jul 2013 Mexico

Development of a new product and market (bio-plastic from avocado seed)

ACADEMIC EXPERIENCE

Instituto Tecnologico y de Estudios Superiores de Monterrey

(ITESM) Jul 2010 - May 2015 Mexico

Chemical engineering

LANGUAGES

English	Bilingual
Spanish	Native

SKILLS

Expert

- + Presentation skills
- + Windows PC usage
- + Windows
- + Microsoft Excel
- + Adaptability
- + Process Engineering

Advanced

- + Organisational Management
- + Team Management
- + Data Analysis
- + Project Management

Intermediate

- + Data Science