I am a MSc. Chemical engineer with skills such as process equipmet design, formulations, chemical engineering calculations, simulations. I always do my best on my projects, and try to give fast and correct solutions to my clients.

My core areas of expertise encompass PCM, Process Plant Design, Sustainable and Green Materials, Process Optimization, Polymeric Materials, Formulation Development, Reverse Engineering, and much more.

My proficiency extends to the in-depth understanding of material behavior and utilizing diverse techniques and software tools to develop prototypes before the actual process is set into motion.

Software Expertise Includes:

Ansys Polyflow, Aspen Plus V11, Aspen Hysys, Moldex 3D, MINITAB, SOLID-WORKS, PowerShape, Auto CAD, MOLD FLOW, MATLAB, ORIGIN.

My service offerings include:

• Complete Process Plant Simulation, including Reactors

• Design of Distillation Columns, Absorbers, Evaporators, and various other Chemical Processes

• Conducting Energy and Mass Balance, alongside Cost Estimations and Optimization for Plants

• Expertise in Elastomers, Composites, Epoxy, Rubber Compounding, and Foam

• Profound knowledge of Polymer/Plastic Processing

• Simulation Analysis

• Proficiency in Extrusion (plastic profiles, pipes, films, packaging sheets)

• Expertise in Injection Molding (ranging from commodity products to high-end applications)

• Adept in Stretch Blow Molding and Extrusion Blow Molding

• Mastery in Compression Molding and Thermoforming

• Expertise in Dyes, Pigments, Additives, and Masterbatch

• Formulation of Adhesive materials with various base resins

• Specialization in Nano Composites

• Proficiency in Material and Product Characterization Techniques

• Study of Biodegradable Materials

• Capability for Reverse Engineering

Let's chat and discuss what you have in your mind to realize.

Cheers!

**Professional Experience:**

**Chemical Engineer | Formulaciones Químicas & Asesorías QA, C.A**

November 2017 - Present

**Education**

Bachelor of Science in Chemical Engineering  
Louisiana State University

**Language**

English: Conversational  
Spanish: Native or Bilingual