

Fernando Romero, PE, PMP

Turbomachinery Expert | Continuous Improvement Leader | Technical Consultant & Trainer

Pearland, TX

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PROFESSIONAL SUMMARY

Mechanical Engineering executive with 23+ years of deep expertise in turbomachinery and rotating equipment, including steam turbines, centrifugal and axial compressors, gas turbines, and hot gas expanders across refining, petrochemical, power generation, and general industry applications. Proven leader of engineering teams of up to 20 professionals supporting \$300M+ operations across the Americas and internationally.

A Licensed PE with a proven record of translating complex engineering concepts into clear, actionable knowledge, through formal training programs, technical documentation, expert testimony, and consulting engagements. Bilingual in English and Spanish, with international experience across the U.S. and extensive field experience throughout South America, including Argentina, Brazil, Colombia, Venezuela, Chile, and Ecuador.

Passionate about process improvement with a pragmatic, hands-on approach to Lean methodologies, including value stream mapping and 5S, focused on practical implementation that delivers real results rather than theoretical frameworks.

Founder of allaboutturbo.com (technical turbomachinery education blog) and Co-founder of Iron Age Audioworks (professional audio equipment design), reflecting a lifelong commitment to engineering education and innovation beyond the corporate arena.

AREAS OF EXPERTISE

Turbomachinery Repair & Diagnostics (Steam Turbines, Gas Turbines, Compressors, Hot Gas Expanders)

Industries Served: Refining, Petrochemical, Power Generation, and General Industry

Technical Expert for Arbitration Proceedings & Dispute Resolution

Technical Training Program Design & Delivery

American Petroleum Institute API RP 687 Standards, Active Contributor

Process Optimization & Change Management

PROFESSIONAL EXPERIENCE

VP of Engineering & Support Services

Sulzer Turbo Services Houston Inc. | La Porte, TX | 2019 – Present

Directed two engineering departments (20 engineers) specializing in turbomachinery repair, failure analysis, and product development.

Designed and delivered comprehensive technical training programs for customers and internal teams, converting complex turbomachinery concepts into actionable knowledge that deepened client partnerships.

Revamped quality measurement infrastructure, introducing cost of poor-quality metrics, deviation tracking, and preventive action systems.

Drove a comprehensive safety improvement program in collaboration with the safety team, including structured shop walks, formal lift policies, job hazard assessments, and enhanced investigation visibility, building a proactive safety culture on the shop floor.

Streamlined procurement processes, enhancing cost efficiency and supplier reliability across the supply chain.

Head of Spare Parts Business Americas

Sulzer Pumps (US) Inc. | Houston, TX | 2017 – 2019

Led tendering team responsible for \$200M annual revenue pump spare parts business across USA and Canada.

Mapped and redesigned end-to-end order processing workflows, eliminating bottlenecks and reducing lead times through structured process improvement and purpose-built digital tools.

Created a team performance visualization system that brought real-time operational visibility to four global regions, aligning USA, India, Germany, and UK operations around shared KPIs and standardized processes.

VP of Customer Service Business

Mitsubishi Compressor Corp. Int'l | Pearland, TX | 2016 – 2017

Led P&L for Americas turbomachinery aftermarket services including field service, shop repair, storage, and spare parts. Established new service facility operations with a focus on quality repair processes and technical excellence.

VP of Engineering

Sulzer Turbo Services Houston Inc. | La Porte, TX | 2014 – 2016

Established a multidisciplinary and multilingual engineering capability in Finite Element Analysis, Metallurgy, Rotordynamics, and Machinery Diagnostics to support turbomachinery operations across North and South America. Built the team by recruiting experienced specialists while simultaneously hiring and developing entry-level engineers into advanced technical disciplines, creating long-term organizational depth across English and Spanish speaking markets.

Inside Sales Manager

Sulzer Turbo Services Houston Inc. | La Porte, TX | 2012 – 2014

Managed \$160M/year commercial operations with a team of 12 inside sales representatives.

Restructured the inside sales function from a decentralized model where each agent operated independently with no shared processes, into a cohesive, high-performing team with harmonized workflows and clear accountability.

Implemented standardized workflows that brought full visibility to the RFP-to-proposal pipeline, giving leadership and the team real-time insight into commercial operations for the first time.

Operations Manager

Sulzer Pumps | Houston, TX | 2011 – 2012

Supervised repair coordinators managing 300+ pump repairs annually; implemented visual system for project tracking and improved on-time delivery.

Operations Manager

Sulzer Turbo Services | Buenos Aires, Argentina | 2009 – 2011

Led \$8M–\$12M turbomachinery repair and field service operations; managed post-acquisition integration to Sulzer corporate standards.

Rotating Equipment Engineer

Sulzer Turbo Services Houston Inc. | La Porte, TX | 2002 – 2009

Led technical projects in reverse engineering, mechanical analysis, and diagnostics for steam turbines, gas turbines, and compressors across refining, petrochemical, and power generation applications.

Developed engineering solutions for complex rotating equipment failures, building deep hands-on expertise that underpins current consulting and expert witness capabilities.

ENTREPRENEURIAL VENTURES

Founder and Author: All About Turbo

www.allaboutturbo.com

Technical education blog that goes beyond industry standards to explain the engineering principles behind API recommendations. Published in English and Spanish, it serves engineers across all experience levels who want to truly understand turbomachinery, not just follow procedures.

Co-Founder: Iron Age Audioworks

www.ironageaudioworks.com

Designs and manufactures bespoke professional audio equipment guided by a philosophy of function-first design, quality craftsmanship, and purposeful simplicity. Inspired by the design principles of Dieter Rams, that good design is as little design as possible, every product strips away the unnecessary to let engineering excellence speak for itself.

EDUCATION & CERTIFICATIONS

BS Mechanical Engineering | Texas A&M University, College Station, TX | 2002

Professional Engineer (PE) | Texas Board of Professional Engineers | License #113253

Project Management Professional (PMP) | Project Management Institute | PMP #1495821

LANGUAGES

English: Native Fluency **Spanish:** Native Fluency