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JUAN PABLO ARIAS CARTÍN

M. Eng. Industrial Engineer

Industrial Engineer specializing in fluid and gas systems and industrial processes, with extensive experience in industrial consulting, auditing, and regulation, particularly in the national energy sector. With more than a decade of leadership experience in energy-sector regulation and professional practice, he has also served since 2008 as a university lecturer and researcher at institutions including Instituto Tecnológico de Costa Rica, UNED, ULACIT, and USAM, teaching in areas such as electromechanics, industrial engineering, business administration, and maintenance and operations management. He has also participated in research and technical training activities on NFPA, ISO, ASME, occupational health, industrial standardization, and regulations governing the energy and hydrocarbon sectors.

ACADEMIC BACKGROUND

- **[Before 2010]** Master's Degree in Modern Manufacturing Systems, emphasis in Materials Management, Instituto Tecnológico de Costa Rica.
- **[Before 2010]** Licentiate Degree in Industrial Maintenance Engineering, Instituto Tecnológico de Costa Rica. Thesis: TE 5039.
- **[Before 2010]** Bachelor's Degree in Electromechanical Engineering, Universidad Internacional de las Américas.
- **[Before 2010]** **Bachelor's and Licentiate Degrees in Industrial Maintenance Engineering**, Instituto Tecnológico de Costa Rica.

PROFESSIONAL EXPERIENCE

- **[March 2012–Present]** Consulting Manager, Professional Energy and Transportation Management, Ltda.
- **[October 2005–March 2012]** Head of Plant and Head of Distribution; Head of Transportation and Maintenance Safety, RECOPE S.A., Costa Rica.
- **[March 2003–October 2005]** Head of Carburation and Transportation – Gas Agency, Nacional Z Gas S.A.
- **[November 2001–March 2003]** Head of Maintenance, Levis, La Lima Free Trade Zone.

PROFESSIONAL DEVELOPMENT

- **2025:** NFPA Conference & Expo, Las Vegas, Nevada.
- **2025:** *Valuation of Machinery for Industry and Construction*, San José.
- **2024:** CFIA BIM – COM CFIA, San José.
- **2024:** CICR International Administrative Contracting Program, San José.
- **2024:** CICR Leadership and Administration, Cartagena.
- **2024:** NFPA Conference & Expo, Orlando, Florida.
- **2024:** *Engineering Zero Congress*, Expoquimia, Lima, Peru.
- **2023:** *CICR Lean Power BI and SQL*, San José.
- **2023:** CIEMI Seminar on Life Safety and Fire Protection Systems.
- **2023:** *Talent Incorporated*, ODS and Desarrollo.
- **2023:** NFPA Conference & Expo, Las Vegas.
- **2023:** NFPA 101, Fundamentals of Human Security.
- **2023:** NFPA 13, Standard for the Installation of Sprinkler Systems.
- **2022:** NFPA 58, Liquefied Petroleum Gas Code.
- **2022:** NFPA 13, Automatic Fire Sprinkler Systems.
- **2022:** NFPA Fundamentals of Industrial Safety.
- **2021:** ASME Course — Design of Gas Installations, Lima, Peru.
- **2020:** API 510 — Standard for the Inspection, Alteration, and Repair of Pressure Vessels, Lima, Peru.
- **2020:** NFPA 10 — Standard for Portable Fire Extinguishers.

TEACHING EXPERIENCE

- **[2013–Present]** Instituto Tecnológico de Costa Rica, Cartago.
- **[2013–Present]** Universidad Estatal a Distancia (UNED), San José.
- **[2012–2017]** ULACIT, San José.
- **[2008–2012]** USAM, San José.