



+52922 119 9416



migsanti@hotmail.com



LinkedIn



Querétaro

Miguel Ángel Santillán García



I manage large-scale industrial infrastructure projects from civil works to mechanical handover. Specialist in deep foundations, steel structures, and multidisciplinary coordination. Ensure regulatory compliance under international standards and PEMEX requirements. Lead teams and contractors to meet schedules and costs with strict safety and quality standards. Proven experience in refineries, airports, and high-impact maritime terminals. Skilled in taking projects through commissioning and start-up without deviations.

ICA Fluor | 2005 – 2024

19 years of continuous professional growth in a single company, holding 13

progressive positions: Refineries, maritime terminals, airports, industrial plants, and strategic projects for PEMEX and private industry.

Construction Superintendent.

Project: Residuals Utilization, Antonio Dovalí Jaime Refinery, Salina Cruz, Oaxaca
Oct 2022 – Oct 2024 | Amount: \$3,018,236,297.35 USD (PA)

Led the construction of the Sulfur Recovery, Amine Regeneration, and Sour Water Stripping Plants, covering deep foundations with more than 790 bored piles, integration racks with 70-ton precast frames, pits up to 8 m deep, placement of 45,000 m³ of ready-mix concrete, 5,000 tons of steel structures, underground systems, and specialized electromechanical installation. Coordinated civil, electrical, instrumentation, and mechanical disciplines under strict safety, quality, and environmental standards.

Construction Superintendent.

Olmecca Refinery, Dos Bocas, Tabasco – Package 4B **May 2020 – Oct 2022 |**
Amount: \$413,147,604.97 MN (PU) + \$379,637,249.40 USD (PA) + \$6,093,415,182.44 MN (PA)

Responsible for Phases I and II of Package 4B, constructing more than 1,900 bored piles, integration racks with 80-ton precast frames, pits up to 8 m deep with sheet-pile shoring, placement of 80,000 m³ of ready-mix concrete, 85 km of piping, 11,500 tons of mechanical assemblies, 252 pieces of equipment, and more than 3,200 instruments. Delivered the project ready for commissioning on a record schedule. In Phase I, I acted as Site Manager with official designation signed by ICA Fluor's General Director before Pemex Transformación Industrial (PTI).

Civil & Structural Superintendent. *Service Plants CUP A and B, New Mexico City International Airport, Texcoco, State of Mexico.* **Jun 2018 – May 2020 | Amount: \$4,267,339,854.97 MN (PA)**

Led the execution of deep foundations, steel structures, and hydrosanitary systems for central service plants, cooling towers, and auxiliary buildings. Coordinated geotechnical studies, earthworks, technical racks, and roadways under airport regulations. Project canceled by the Federal Government.

Project Area Manager *NAICM and Medium Voltage Electrical Network (bid phase)*
Jun 2017 – Jun 2018 | Awarded Amounts: \$3,656,005,432.32 MN (PA) + \$4,267,339,854.97 MN (PA)

Prepared budgets, unit prices, construction schedules, and subcontracting plans for strategic bids. Secured key contract awards for ICA Fluor, including the Medium Voltage Distribution Network and the CUP A and B Service Plants at NAICM.

Site Resident – Pipe Fabrication Shop *Coke Project, Tula, Hidalgo*
Nov 2015 – Jun 2017 | Amount: \$74,360,649.39 MN (PU) + \$834,939,477.04 USD (PA) + \$6,770,136,544.84 MN (PA)

Supervised the complete construction of the pipe prefabrication workshop: foundations, underground systems, steel structures, facades, crane installation, and paving. Delivered the shop fully operational as a strategic facility for ICA Fluor to supply multiple ongoing projects.

Professional Profile.

Civil Engineer with extensive experience leading large-scale construction projects in industrial plants, refineries, maritime terminals, airports, and strategic energy infrastructure. Specialist in deep foundations, steel structures, civil works, piping, and electromechanical installations, applying national and international standards (NOM, OHSAS, ISO 9001/14001, NRF PEMEX). Strong operational focus on quality control, industrial safety, and efficient contractor management to ensure timely, profitable project delivery.

Career Objective.

To provide technical and operational leadership as a Construction Superintendent or Construction Manager in infrastructure or energy projects, leveraging my multidisciplinary experience to ensure full execution from civil works to mechanical handover, driving compliance, profitability, and safety.

Education.

Civil Engineer – Instituto Politécnico Nacional (ESIA Zacatenco) Class of 2000–2004

Languages: Spanish, English (B2 – Upper Intermediate)

Courses & Certifications.

Construction Supervision
Unit Price Analysis Subcontracting
Management ISO 9001/14001.

Safety & Hygiene in Construction
PEMEX Regulations Leadership.

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Civil & Structural Area Manager *GL Project, Antonio Dovalí Jaime Refinery, Salina Cruz.* Mar 2015 – Jul 2015 | Amount: \$1,084,697,747.95 MN (PU) + \$1,782,669,727.29 MN (PA) + \$173,688,836.57 USD (PA)

Responsible for the structural completion of buildings, racks, and industrial platforms, ensuring compliance with cost and schedule requirements.

Civil-Structural Area Manager *ART Project, Miguel Hidalgo Refinery, Tula*
Dec 2014 – Mar 2015 / Jul 2015 – Oct 2015 | Amount: \$250,840,655.00 MN

Coordinated the civil-structural discipline in repairing the Combinada I package and executing REVAMP works in critical installations. Participated in planning, scheduling, and cost estimation, as well as in transitioning from FEL I to FEL II.

Multidisciplinary Area Manager *IPC-4 Project, Cadereyta Refinery, Nuevo León*
Jan 2013 – Nov 2014 | Amount: \$405,636,819.92 MN (PU) + \$1,782,669,727.29 MN (PA) + \$223,491,051.50 USD (PA)

Supervised site preparation and multidisciplinary execution of civil, electrical, mechanical, and architectural works for new process units.

Senior Front Manager *Gun Barrel and Tanks TV-5006 & TV-5008, Dos Bocas II Maritime Terminal.* Sep 2011 – Jan 2013 | Amount: \$593,839,939.59 MN + \$69,451,646.30 USD

Directed the execution of racks, steel structures, and expansion of the CB-1 Pump House, integrating civil and electromechanical works.

Senior Front Manager *Cryogenics I, Poza Rica, Veracruz*
Nov 2009 – Sep 2011 | Amount: \$1,554,442,918.58 MN (PU) + \$213,845,445.01 USD (PA)

Coordinated 1,350 deep foundation piles, stormwater networks, and oily water treatment facilities, ensuring multidisciplinary integration.

Senior Front Manager *Gas & Oil Pipeline, Minatitlán Refinery* Apr 2007 – Oct 2009 | Amount: \$273,542,465.00 USD (PA)

Responsible for civil and architectural works in pig launchers, valve stations, and auxiliary areas. Delivered works to PEMEX on schedule.

Front Manager *Mina II Reconfiguration, Minatitlán*
May 2005 – Apr 2007 | Amount: \$6,816,590,321.53 MN (PU) + \$376,592,865.00 USD (PA)

Built technical supports, secondary racks, warehouses, electrical substation, and underground ducts in operational refinery areas.

PEMEX Regulations.
Leadership.
Planning & Scheduling.
Project Administration.
Customer Service.

Software: AutoCAD 2D/3D, MS Project, NEODATA, Lotus, Office Suite