



Mario Ferreira Rocha

Senior Civil Engineer · Major Works, Infrastructure & Sanitation

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BASED IN
Santos · São Paulo · Brazil

NATIONALITIES
Brazil · Portugal · Ecuador

PROFESSIONAL SUMMARY

Civil engineer with more than **five decades of experience in heavy engineering**, graduated from FUMEC (Belo Horizonte, 1976), with a postgraduate degree in Structures and Basic Sanitation and an MBA in Project Management with a focus on Contracts from FGV. Extensive international experience in the **management, coordination and supervision** of major **infrastructure, basic sanitation, water-resources, hydropower, hospital and public building** projects across Brazil, Portugal, Ecuador, Guatemala, Colombia and Iraq — working across every phase, from planning to delivery, leading multidisciplinary teams, with contract management (including FIDIC), quality, schedule and cost control, and relationships with public and private clients.

50+

Years of experience

6

Countries

1,710

MW

Largest plant led (São Simão)

MBA

FGV — Projects / Contracts

OBJECTIVE

To serve as **Supervision Director, Project Manager, Consultant or Specialist** on major infrastructure, sanitation, water-resources, hospital, transport and energy projects across Latin America.

PROFESSIONAL EXPERIENCE

Consórcio APCA-Vielca / Concremat

2023 — 2025

Project Manager · Guatemala

New Public Hospital of Chiquimula — preparation, planning and construction. Capacity of 214 beds (189 census + 25 non-census), ICU and 5 operating rooms. Overall coordination of the supervision — technical, contractual and financial control — and of the civil, electrical, hydro-sanitary and mechanical installations; hospital hydro-sanitary system with potable water (dedicated well and cistern), wastewater networks conveyed to the wastewater treatment plant (WWTP) and independent stormwater drainage.

TEMEC

2018 — 2022

Commercial Representative · Colombia

Supply of steel equipment (formwork and falsework) for infrastructure projects. Clients in Bogotá, such as OHL and Mota-Engil.

Equitesa

2013 – 2016

Technical Superintendent · Ecuador

Chone Multipurpose Project (Manabí) — Río Grande dam: flood control, irrigation and water supply; technical management and site superintendence. Diversion/discharge tunnel 4.0 m in diameter and 230 m long; irrigation network in GRP pipes (DN 1,800–2,200 mm); 800 mm potable-water transmission main and urban PVC distribution networks.

Hidrotoapi EP

2011 – 2013

Supervision Manager · Ecuador

Toachi-Pilatón Hydroelectric Project (49 MW and 204 MW developments). Review of studies — including hydrology and sediment-transport studies — final designs and tender documents: intake structures (bocatomas), desanders, the Toachi dam, the spillway and the headrace hydraulic circuit.

LEMECAN / Hidrolitoral

2007 – 2010

Supervision Director / Manager · Ecuador

Baba Multipurpose Project — flood control, irrigation, water supply and hydropower generation (42 MW; 161 GWh/year): 4 dikes, 1 “duckbill” spillway, 3 relief gates and 1 powerhouse. Supervision of the dam, the water-transfer tunnel (7–8 m in diameter, diverting the Baba River to the Daule-Peripa reservoir), and of canals, galleries and pipelines from 1.2 to 5 m (GRP); drainage, hydraulic sanitation, flood control and erosion protection; approval of drawings, measurements and reports; handover and commissioning.

ENGITUBO

2000 – 2004

Partner / Technical Manager · Portugal

Falsework and scaffolding for bridges, viaducts and buildings (Porto, Lisbon, Coimbra, Algarve). Over 5 million m³ of falsework executed.

Soares da Costa / Bento Pedroso

1990 – 2000

Site Director · Technical Director · Portugal

Bridge over the Cétois (1,440 m, spans of 300 and 120 m in prestressed curves); Touvedo HPP — temporary river diversion and cofferdams, spillway, foundation treatment with a grout curtain and return of the turbinated water to the river; access viaduct to the Coimbra Bridge-Weir (a weir regulating the Mondego River) and to IP3/IC2/IC3 (prestressed deck of 23,200 m², 1.4 km, 100 piers). Road drainage systems and slope protection on the road works.

ENGIL

1988 – 1990

Site Director — Hydraulic Circuit · Portugal

Alto Lindoso Hydroelectric Plant (630 MW): headrace and tailrace hydraulic circuit — powerhouse, underground tunnels, galleries, valve chamber and discharge channel — with continuous drainage and pumping of groundwater inflows in the underground excavations. 23.2 million m³ of excavation; ~1,500 workers mobilized.

Construtora Mendes Junior

1982 – 1987

Production Manager · Production Dept. Coordinator · Brazil and Iraq

São Paulo Metro — Jabaquara, Santa Cecília and Terminal Tietê stations, with groundwater lowering and relocation of the water and sewer networks at the station areas; Galeão Airport, with runway drainage and hydro-sanitary installations of the buildings; channeling of the Arrudas River (35 km — urban macro-drainage and flood control); USIMINAS steel mill, with drainage of industrial yards; and railway works in Brazil and Iraq, with platform drainage and minor drainage structures.

CEMIG

1976 – 1982

Manager / Engineer · Brazil

Construction of the Volta Grande (380 MW), Jaguará (424 MW) and São Simão (1,710 MW) hydroelectric projects — river diversion with cofferdams, dewatering of excavations and foundations, hydraulic structures (spillway, intake and headrace circuit) and large volumes of concrete, steel and excavation.

Cost Estimator · Brazil

More than 200 cost estimates for industrial projects (USIMINAS, AÇOMINAS) and large-scale housing developments — including their urban infrastructure: potable-water networks, sanitary sewerage and stormwater drainage — and execution control of expansions.

FEATURED PROJECTS

São Simão HPP

1,710 MW

BRAZIL · CEMIG · MANAGER/ENGINEER

5 M m³ of concrete · 350 M m³ of excavation.

Alto Lindoso Hydroelectric Plant

630 MW

PORTUGAL · EDP · SITE DIRECTOR

Hydraulic circuit, tunnels and valve chamber · 23.2 M m³ of excavation.

Toachi-Pilatón

204 MW

ECUADOR · SUPERVISION MANAGER

Cascade developments Pilatón-Sarapullo and Toachi-Alluriquín.

Baba Multipurpose

42 MW

ECUADOR · SUPERVISION DIRECTOR / MANAGER

Flood control, irrigation, water supply and power · water-transfer tunnel Ø 7–8 m (Baba River → Daule-Peripa) · 4 dikes, “duckbill” spillway, 3 relief gates and 1 powerhouse.

São Paulo Metro

18.8 km

BRAZIL · PRODUCTION MANAGER

Jabaquara, Santa Cecília and Terminal Tietê stations (Green and Yellow lines).

Coimbra Viaduct

1.4 km

PORTUGAL · TECHNICAL DIRECTOR

Prestressed deck of 23,200 m² · 100 piers · ~25–40 thousand m³ of concrete · ~3–6 thousand t of steel.

EDUCATION

- **MBA — Project Management with focus on Contracts**
Fundação Getulio Vargas (FGV), São Paulo · 2004–2006
- **Civil Engineering**
Faculdade de Engenharia FUMEC, Belo Horizonte · 1976
- **Postgraduate in Structures and Basic Sanitation**
Escola de Engenharia Kennedy, Belo Horizonte
- **Foreign Trade**
FIEP / Universidade de Pernambuco · 2003

SKILLS

Construction management and supervision

Basic sanitation Water supply and sanitary sewerage

Dams and hydroelectric plants

Hydraulic and irrigation works

Urban drainage and flood control

Bridges, viaducts and road infrastructure

Hospitals and hospital installations

Construction planning, budgeting and control

FIDIC contract management

Multidisciplinary team coordination Site direction

Technical consulting Tunnels and metros

Foundations and retaining works

Falsework and formwork AutoCAD

LANGUAGES

Portuguese	Spanish	English
Native	Fluent	Intermediate

References available upon request.

Professional references from clients and consortia provided on request.

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