



Guilherme Lima Carvalho

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PROFILE

Civil Engineer and PMP with over 20 years of experience in the construction industry, responsible for the execution of massive and complex Oil and Gas EPC's and Infrastructure Projects. Responsible for the management of project turnarounds, recovering the project's profits, and minimizing risks.

Extensive experience in dispute resolution and Expert services, including expert witness reports, testify at hearings, and Hot Tubbing. Services provided for the most important dispute resolution chambers in Brazil such as CCBC, CCI, FGV.

Guilherme has been an Expert Witness and Consultant in over 30 disputes and is widely recognized by clients and peers. The disputes involved different areas such as Power & Utilities, Oil & Gas, Infrastructure, and Capital Projects. These services include presenting his professional opinion through an expert report and expert witness testimony in international arbitration tribunals, expressing conclusions and factual opinions to different board committees.

Guilherme was the key responsible for development and negotiation projects claims including scope changes, delay & disruption, penalties, counterclaims analyses, and Quantum reports. A large commercial and contractual experience that includes working for clients across a wide variety of industries and the government.

Strong communication skill highlighting transparency and assertiveness. Broad analytical vision providing effective problem solving and accurate information for the stakeholders. Expert in creating and maintaining relationships with internal multidisciplinary team and external clients, resulting in a fully engaged environment.

EDUCATION

- Expert Witness Courses (The Academy of Experts) London 2018
- PMD-Program, Management Development, IESE Business School 2011
- Bachelor's in Civil Engineering, UFMG, Belo Horizonte, Brazil 1999
- Master of Engineering Management; QUT, Brisbane (to be concluded)
- PMP CERTIFICAÇÃO; PMI Project Management Institute, Pennsylvania (USA) 2004



- Certification as Expert Witness, SENGE-RJ (Union of Engineers Rio de Janeiro) 2018

PROFESSIONAL MEMBERSHIPS

- CREA – National Board of Engineers Brazil
- PMI – Project Management Institute.
- AACE – Association for the Advancement of Cost Engineering

EXPERIENCE IN DISPUTE RESOLUTION

OIL AND GAS

Project Detail: EPC for the Construction of the Administrative Buildings in a Refinery

Arbitration: CCBC Nº 79/2014/SEC6

Main object: Disruption & Delay analysis with Lost Labor Productivity and Quantum Analyses

Dispute Value: USD\$ 180 Million

Position: Court Appointed Expert Witness

Project Detail: EPC for the Construction and Assembling of Storage Tanks

Arbitration: CCBC Nº 01/2015/SEC4

Main object: Disruption & Delay analysis with Lost Labor Productivity and Quantum Analyses

Dispute Value: USD\$ 35 Million

Position: Party Appointed Expert Witness

Project Detail: EPC for Reformers Furnace Assembly

Arbitration: CCBC Nº 37/2015/SEC3

Main object: Disruption & Delay analysis with Lost Labor Productivity and Quantum Analyses

Dispute Value: USD\$ 30 Million

Position: Party Appointed Expert Witness

INFRASTRUCTURE

Project Detail: Construction of 2,000 Residential Apartments for Low-Income Families

Arbitration: FGV Nº 23/2016

Main object: Shareholder dispute arising from loans between partners, related to extra cost of the construction



Dispute Value: USD\$ 80 Million

Position: Court Appointed Expert Witness

Project Detail: Contract for the assembly of mechanical equipment of the hydroelectric plant

Arbitration: CCI 22837/JPA

Main object: Disruption & Delay analysis with Lost Labor Productivity and Quantum Analyses

Dispute Value: USD\$ 221 Million

Position: Court Appointed Expert Witness

Project Detail: Contract SHIP OR PAY - Construction of barges and river terminals and ports

Arbitration: FGV Nº 24/2016

Main object: Breach of contract related to supposed force majeure and the suspension of the contract

Dispute Value: USD\$ 50 Million

Position: Court Appointed Expert Witness

Project Detail: Road Tool Company vs Contractor

Arbitration CCBC Nº 17/2017/SEC6

Main object: Delay analysis (EOT), penalties, performance of the road, service life of the Asphalt and additional cost to finish project.

Dispute Value: USD\$ 60 Million

Position: Party Appointed Expert Witness

Project Detail: EPC contract - Industrial Effluent Treatment Plant (ETP)

Main object: Disruption & Delay analysis with Lost Labor Productivity and Quantum Analyses

Arbitration CCBC Nº 48/2014/SEC1

Dispute Value: USD\$ 120 Million

Position: Court Appointed Expert Witness

POWER / ENERGY

Project Detail: Turnkey Contract for Power Transmission Lines

Arbitration: FGV Nº 22/2016

Main Object: Disruption & Delay analysis with Lost Labor Productivity and Quantum Analyses



Dispute Value: USD\$ 20 million

Position: Court Appointed Expert Witness

Project Detail: Bioenergy (Elephant grass) Power Plant Unit

Arbitration: CCBC Nº 92/2017/SEC6

Main object: Operational Performance, construction nonconformities and Quantum analyses

Dispute Value: USD\$ 15 million

Position: Court Appointed Expert Witness

Project Detail: Fail in a Recovery Boiler of a Pulp & Paper plant

Arbitration: CCBC Nº 22/2018/SEC1

Main object: RCA and costs associated composite tubes of the boiler

Dispute Value: USD\$ 250 million

Position: Party Appointed Expert Witness

Project Detail: Bioenergy (sugarcane bagasse) Power Plant Unit

Arbitration: CCBC Nº 33/2016/SEC-5

Main object: Analysis and valuation of equity purchase of cogeneration projects

Dispute Value: USD\$ 40 million

Position: Party Appointed Expert Witness

Project Detail: EPC contract – Fossil Fuel Power Plant Unit for a Refinery

Arbitration: CCBC Nº 64/2014/SEC3

Main object: Disruption & Delay analysis with Lost Labor Productivity

Dispute Value: USD\$ 125 million

Position: Party Appointed Expert Witness

Wind-Power Plant: Contract and Risk management consulting services, Brazil

Arbitration: CCBC Nº 123/2019/SEC3

Main object: Independent assessment of the Feasibility Study, including risk associated with the wind measurement campaign and the financial model of the project

Dispute Value: USD\$ 60 million

Position: Party Appointed Expert



Wind-Power Plant: Procurement and Maintenance Contract, Brazil

Main object: Independent assessment of RCA related to problems in Blades and Gear boxes. The report included risk associated with continuity of the power production and the Quantum analyses of the claims.

Dispute Value: USD\$ 100 million

Position: Party Appointed Expert

Transmission Line: Dispute resolution related services, Uruguay, 2020.

Arbitration: CCI Nº 24094/JPA Uruguay

Main object: Independent assessment of an extension of time and related additional costs been claimed by the contractor. The claim was prepared according to our suggestion and the Quantum evidences successfully organized.

Dispute Value: USD\$ 2 million

Position: Party Appointed Expert

EXPERIENCE IN CONSTRUCTION MANAGEMENT**WATER / WASTEWATER****Project Tittle**

Description of the experience in the water/wastewater

Construction Superintendent - Galvão Engenharia S.A – November 2007 - April 2015

Construction Superintendent, responsible for the project work product in accordance with the contract, scope of work, Client requirements, corporate practices and project procedures. Routinely monitor project physical and financial progress, cost, quality and HSE KPI's to identify trends and allow for timely preventive and corrective actions. Understand and promote early identification of contractual risks and opportunities for a proactive management. Maintain effective interaction with the Client and project stakeholders, ensuring that the project teams are fully aware of the contract and its risks and requirements. Ensure a safe and productive work environment, actively promoting focus on occupational safety, quality management, and the continual improvement processes.

OIL AND GAS

EPC contract for a Claus Sulfur Plant, Residual Gas Treatment Unit, Amina Treatment Unit, Storage Unit and Substations for the Petrochemical Complex of Rio de Janeiro (COMPERJ). Consortium QGGIT (Queiroz Galvão 40%, Galvão 25,5%, IESA 20,5%, TECNA 14%).

Contract Value: USD\$ 247 Million.



EPC contract for Oil Diesel Hydro-treatment Unity, Kerosene Hydro-treatment and Substations for the Petrochemical Complex of Rio de Janeiro (COMPERJ). Consortium QGGI (Queiroz Galvão 45,5%, Galvão 30% e IESA 24,5%)

Contract Value: USD\$ 547 Million

EPC contract for a Liquefied Petroleum Gas (LPG) Terminal on Ilha Comprida (TAIC), Rio de Janeiro/RJ, Brazil.

Contract Value: USD\$ 442 Million

EPC contract for the renovation and expansion of the Maritime Terminal (TEBIG) on Angra dos Reis/RJ Brazil. Major services included demolishing and disassembling old structures (manifolds, loading arms, control room, power room, mooring equipment's, light towers). Construct and assemble a new unit composed of three main modules (skids), manifold skid (~500 t), control room Skid (~200 t), power room skid (~250 t), quick releases hooks, 10 new load arms. Consortium Galvão (50%) e Mendes Júnior (50%).

Contract Value: USD\$ 98 Million

EPC contract for a Effluents Treatment Plant (ETP) on the Auxiliary Services Area (ASA) with 150m³/h capacity, for the TEBIG Terminal in Angra dos Reis/RJ, Brazil. Major systems included: Receiving and accumulation tanks (2), flotation, slop tank (refurbishing an existing), equalization tank and oxidation of sulfides, batch activated sludge, Barium removal system, filtration, Boron removal, dehydration organic & inorganic sludge drying, chemicals storage and substation. Consortium Galvão (70%) & Construtora Colares Linhares (30%).

Contract Value: USD\$ 93 Million

EPC contract for a Drainage and Effluents System of AP and ASA and increase in storage capacity of oil (TQ-441033), for the TEBIG Terminal in Angra dos Reis, Rio de Janeiro State, Brazil. Major services included: The execution of 20 km of 18" steel pipelines inside of TEBIG (with an operating oil terminal), two pumping stations, one sump tank, one steel tank 20.000 m³, two substations, automation system.

Contract Value: USD\$ 57 Million

Construction of one Fire Combat System (SCI-AP), on the TEBIG Terminal in Angra dos Reis, Rio de Janeiro State, Brazil. Major services included the execution of 10 km of 16" steel pipelines inside of TEBIG (with an operating oil terminal), one pumping station, one sump tank, one underground concrete reservoir 8.000 m³, foam system, fire hydrants, valves and automation system.

Contract Value: USD\$ 20 Million

EPC contract for an Effluents Treatment Plant (ETP) on the Auxiliary Services Area (ASA) with 150m³/h capacity, for the TEBIG Terminal in Angra dos Reis/RJ, Brazil. Major systems included: Receiving and accumulation tanks (2), flotation, slop tank (refurbishing an existing), equalization tank and oxidation of sulfides, batch activated sludge, Barium removal system, filtration, Boron

removal, dehydration organic & inorganic sludge drying, chemicals storage and substation. Consortium Galvão (70%) & Construtora Colares Linhares (30%).

Contract Value: USD\$ 93 Million

Carioca Christiani-Nielsen Eng. S.A - April, 2002 - November, 2007

Project Manager position, responsible for project leadership and management from engineering design through the delivering processes, including cost and production performance controls, safety management, quality management, risk analysis, procurement, contract administration and claims.

- Oil and Gas Pipeline Rehabilitation (corrective maintenance) in São Paulo, Rio de Janeiro and Minas Gerais states.
- Construction of Emergency Pipelines 34" and 32" TECAB – Macaé/RJ.
- Cacimbas – Vitória Pipeline 26" Budget.
- Refurbishment of the Urban Area in Duque de Caxias. Major services included an underground passage for pedestrians under several rails in operation and a footbridge over the rails.
- Reconstruction of SP 425 Araçatuba Highway (SP). Major services included earthwork, 30 km of asphalt pavement and drainage.
- Re-urbanization of Amaral Peixoto Highway – Rio das Ostras – RJ. Major services included a cable-stayed bridge, 10 km of asphalt pavement, 20 km of drainage, 120.000 m2 of interlocking concrete pavement.

Brasif S/A Export. Import - February 2000 - April 2002

Project Manager: Responsible for the development, implementation and management of contracts for software development. Including: Feasibility studies, development of the request for proposal, selecting the suppliers, controlling the execution, data base integration and training courses for the users. Main Projects: Brasif e-commerce website.

Construtora Andrade Gutierrez S.A - January 1998 - August 1999

Civil Engineer: Responsible for planning urban cleaning services (domestic waste collection, sweeping, weeding, industrial and medical waste collection), route mapping and development of claims. Complete budget development, including direct and indirect costs composition, document verification for licensing to public biddings/tenders and viability studies for new business technologies for Urban Cleaning and Environmental Sanitation.

Main Project: Urban Cleaning and Environmental Sanitation of Contagem City (MG)



PROFESSIONAL HISTORY

CONEXIG LLC	08/2020 - 2020
Belo Horizonte	
Partner & Country Director Brazil	
HKA	2016 – 07/2020
Rio de Janeiro, Brazil	
Associate Director	
GALVÃO ENGENHARIA S/A	2007 - 2015
Rio de Janeiro, Brazil	
Construction Superintendent	
CARIOCA CHRISTIANI-NIELSEN ENG. AS	2002 - 2007
Rio de Janeiro, Brazil	
Project Manager	
Brasif Máquinas	1999 - 2002
Belo Horizonte, Brasil	
Project Coordinator	
Construtora Andrade Gutierrez S/A	1998 - 1999
Contagem e Ribeirão Preto, Brazil	
Engineer	

LANGUAGES

Portuguese (Native)
English (Professional Working Proficiency)

