

GEOTECHNICAL CONSTRUCTION & CIVIL ENGINEER EXECUTIVE

Multidimensional professional civil engineer with over twenty years of experience in specialized geotechnical construction and construction management providing leadership, vision, creativity, technical and business acumen in estimating, managing and inspecting capital projects. Experienced in planning, designing and executing projects from concept through completion, with strong troubleshooting and problem-resolution skills

High Impact Business Value

Value

Registered Professional Engineer, Certified General Contractor, Construction Management & Engineering (CME), Operations Manager Senior Project Management Risk Manager
Contract Administration
Planning & Coordination
Codes & Permits Compliance
Geotechnical Management

- One of the few **US-FL Certified General Contractor & Geotechnical PE- Project Manager** in Puerto Rico
- Trusted and frequently sought out for geotechnical expertise in complex multimillion dollars projects, recommend viable solutions to optimize performance, 360° project operation, and reduce risks associated with natural and construction phenomena.
- Reputation as a leader and **US/PR Professional Engineer** -providing quality workmanship in civil engineering and geotechnical construction management.
- Formed and led effective cross-functional, multi-site/multi-project teams to meet project specifications assuming charge of project management, contract administration, cost estimates, project planning and coordination, inspection, safety and materials management.

Engineering / Construction Management – Project Management – Contract Administration - Cost Estimates – Contract Documents and Specifications – Construction Planning and Coordination – Project Inspection – Construction Code and Permit Compliance – Safety (OSHA) – Materials Management

Specialized Geotechnical Construction - Drilled Piles (Auger Cast In Place, Displacement piles, Drilled Shaft, Micropiles, Tieback Anchors, Diaphragm Walls, Cut-Off Slurry Walls, Slurry Trenches, Soil Mixing, Jet Grouting, Low Mobility grout, Compaction grout, Permeation Grout, Chemical Grouting, Underpinning and others.

EXPERIENCE



BAUER FOUNDATION CORP., FL

2015-2019

“World-Wide Geotechnical Construction Company-FL-US and subsidiary of BAUER Group based in Schrobenhausen, Germany”

CEO & President / Corporate Geotechnical Construction Operations Project Manager

Handpicked by Las Americas Region General Manger for a newly created position as Corporate Operations Manager-Qualifying Agent for the only US-Florida Geotechnical construction division office of the Bauer Group.

Handpicked by CEO initially as Operations Manager to improve Tampa’s operations. Commissioned as President due to excellent performance and expertise in geotechnical project construction to hold oversight for business development, capture strategy, and client relations, detailed cost analysis and project estimates, bid proposals, contracting, construction permits, purchasing and materials management, human resources, and financial controls. Coordinated and directed 20+ projects work action plans, capital purchases, project scheduling and oversight, punch lists, change orders, budgeting and cost validations. Monitored project timeline, quality and safety standards, issued project status and financial reports, and completion certification for projects (e.g., government buildings, private buildings, hotel, petroleum-nuclear power plant and transportation).

Defined job phase costs coordinated logistics of in-bound supplies/materials. Operated and supervised upwards of 140 employees and tradesmen operating heavy construction equipment. Led the execution of complex excavation pits, ground improvement, deep foundations and vertical seals, utilizing the most up to date equipment and installation techniques. Prepared contract documents, CPM schedule, project logs and direct purchasing processes and document control.

Major Accomplishments

- Managed client relationship, expectations and ensured commitments were met by managing the execution of complex excavation pits, ground improvement, deep foundations and vertical seals, utilizing the most up to date equipment and installation techniques (Kelly Pile, Double Rotary System(DRS), Continuous Flight Auger (CFA), Full Displacement Pile).
- Optimized business operations and project compliance by implementing Business Intelligence & Analytics Reports and enforcing JIT, Operational Excellence Planning Programs and creating both the Construction Manager and the Business Development Manager positions.
- Produced significant project sales growth from \$17m to \$70m annually.

- Built a solid talent bank of quality geotechnical engineers, junior and senior foremen, allowing multi-wide project coverage.
- Participated in numerous bids and earned several projects based on effective competitive bidding. Delivered the most profitable project with \$6m signing contract.
- Halt massive bleeding of operating losses crafted comprehensive plan to increase revenue and reduce expenses during a time when annual operating losses increased in \$10m.
- Operational Construction Excellence, performed efficiency analysis to active projects:
 - Resolved human capital issues; introduced training program for Project Supervisors
 - Handpicked Bauer Germany Mechanic to diagnose and repair \$2m value of heavy equipment for optimal condition, replace obsolete machinery. Amazingly updated project operations and led savings in \$3m of operational shut down.
 - Authored a Cost, Production and Tracking Planning Report, adopted by company as Best Practice.
 - Astutely sold heavy equipment fleet to Bauer's Sales department for wholesale.
 - Conceptualized, deployed and trained a Production Data Base for business efficiency.
 - Finance Management-Represented accurate Cost Budget by creating a Segmented Cost Code Report, allocation budget per department.
 - Human Capital Engagement Program-Conceptualized a local Employee Engagement Program; represented company Parameters with the first *SAMENESS Value Program*: Safety, Accountability, Mentoring, Entrepreneurship, Natural, Excellence, Sustainability and Security, and brainchild the First Evaluation Performance according companies Values.
 - Executed an aggressive ASTM and OSHA, EHS inspection to government projects appointing a Safety Manager.
 - ✓ Reduced the experience modification rate (EMR) from 1.02 to .75, lowering Worker's Compensation Insurance Premium.
 - ✓ Generated a Prior Planning SOP for US Corp Engineer contract compliance.
 - ✓ Reduce the OSHA recordable incident ratio (RIR) from 7.3 down to 2.7.

Representative Projects:

- Negotiated the most profitable and challenging deep foundations package for The Skyrise \$40m project., the tallest Miami commercial building been build.



NICHOLSON CONSTRUCTION COMPANY, Cuddy, PA
Eastern Region Operations Manager, 2012-2015

Sr. Project Manager, 2010-2011

2005-2015

Project Manager, 2005-2009

Transitioned with company after acquisition of Soletanche in 2005 due to outstanding engineering performance with Puerto Rico's Tren Urbano Rio Piedra's station management, to lead operations and to drive revenue, improve productivity, workmanship, and service quality. Held oversight for project quotations, scheduling and logistics, materials management, fleet and equipment upkeep and maintenance and customer relations of New York District for geotechnical construction cfa piles, drilled shafts, micro-piles, soil and rock anchors, diaphragm walls, slurry trench, cement/bentonite walls, retaining walls, chemical grout and jet grout.

Conceptualized, planned, and executed business development strategy. Prepared operational budgets, wrote marketing plans and directed sales, service, project scheduling and management. Established policies and procedures and ensured compliance with applicable construction regulations.

Representative Projects

- Project Manager for the deep foundation packaged installed for the World Trade Center Transportation HUB consisting of Jet Grouting, Underpinning, Micropiles and Tieback Anchors.
- AMTRAK Hudson Yards Jet Grout support of excavation system for the tunnel under 11th Ave, 2nd Ave. Subway Diaphragm Wall.
- World Trade Center Vehicle Security Center (VSC) secant pile walls and anchors.



Soletanche Inc. – Miami, FL
Project Manager

2000-2005

"Worldwide geotechnical company offering processes, special foundations, underground works, ground improvement, and pollution treatment and control services"

Recruited to develop work plans and re-create specification requirements. Established timeline and project schedule, prepared and negotiated contract revisions, recruited and coordinated activities. Performed daily field inspections and served as technical lead advising on design, construction and change order processes. Calculated estimates on phase completions; approved subcontractor disbursements; document track installations; reviewed and recommended approvals on as-built plans; and moderated sub-contractor and designer meetings. Monitored project progress and addressed issues with sub-contractors related to design supervised 10/15+ employees, specifications, and safety compliance standards.

Representative Projects:

- Project Engineered Puerto Rico's Rexville Town Center largest shotcrete and soil nail retaining wall system ever built in Puerto Rico.
- San Juan Gas- performed ground improvements for soil stabilization for company's new tank farm installation.
- Served as Engineer Subject Matter Expert for Florida's foundations projects.
- Capri - underwater excavation and placement of a continuous 12,000 cyd of underwater concrete for a bottom seal.
- Ciudadela Puerto Rico - Challenged to delivered complex Puerto Rico's Largest Diaphragm wall support of excavation system, a \$16m budget project, a structural retaining wall system using state of the art geotechnical techniques (diaphragm wall, piles, anchors) to support adjacent building with limit space and accelerated schedule.

- Designated to develop new business opportunities in Puerto Rico. Researched and built relationships with new client to identify decision makers within the organization, set up meetings between client decision makers and company's engineers leaders/Principals.

 **Kiewit** Peter Kiewit Construction Company – Rio Piedras, PR 1996-2000
Lead Field Engineer, 1999-2000 **Field Engineer**, 1996-1998

Promoted to supervise complex 3-Urban Train underground stations and tunnels with 1.5 km located at Rio Piedras. Conducted field inspections; prepared deficiency, and quality control reports. Provided support documents on progress, reviewed lift and shop drawings, outlined solutions for problem areas affecting time schedules and costs. Developed schedules for next steps of the project and led project meetings. Supervised 800+ employees.

EDUCATION

Graduate Certificate in Engineering Geotechnics, Missouri University of Science and Technology, Rolla, MO.

Polytechnic University of Puerto Rico, Hato Rey, PR

BS Civil Engineering

LICENSES / TRAINING / CERTIFICATIONS

New York State Professional Engineering.

- Professional License, **PE**, License #088773

Puerto Rico Professional Engineering.

- Professional Engineer/ **PE**, License #19138

NASCLA- National Association of State Contractors Licensing Agencies- **Certified General Contractor**, ID: NASCC9310 July 23, 2018

FLGC- **Certified Florida State General Contractor**, Lic #: CGC1527414 Exp. 08/31/2020

SCGC – South Carolina General Contractor Lic. # - G120142 Exp, 10/31/2020

AFFILIATIONS

- American Society of Civil Engineers ASCE –Metropolitan Chapter Member I.D.# 497359
- National Council of Examiners for Engineering and Surveying (NCEES) Council record no. 42653
- Deep Foundations Institute (DFI)
- College of Engineers and Land Surveyors of Puerto Rico (CIAPR)

OCCUPATIONAL HEALTH AND HEALTH ADMINISTRATION TRAINING:

- **OSHA 10**-Hour-Construction & General Industry
- **OSHA 40**-Hour-Hazwoper Training- Hazardous Waste Operations and Emergency Response (HAZWOPER) Standards

RECENT PROFESSIONAL PRESENTATIONS

DFI 43rd Annual Conference on Deep Foundations – from October 24 to October 27, 2018.- Authored and presented deep foundations of difficult ground conditions. The project of : The Seminole Hard Rock Hotel & Casino, Tampa, FL. A deep Foundations System, using 3 geotechnical techniques".