



Exponent®
Engineering & Scientific Consulting

Brigitte Perera

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Professional Profile

Ms. Perera is a member of Exponent's Construction Consulting practice with experience in the construction and utility industries, supporting all stages of the project lifecycle – from inception to closeout. She has lead risk mitigation initiatives for a large electric distribution program that manages an extensive network of assets. Ms. Perera leverages both her business and technical background to develop effective strategies for the organization's needs. Her ability to effectively communicate, research, measure, and analyze has led to strong results that provide longstanding value to her clients.

Before joining Exponent, Ms. Perera worked on both private and public ground-up and building renovation projects in the Northeast for one of the largest national construction companies in the US. There she developed construction management expertise through roles in project management, site supervision, quality management, scheduling, safety, estimating, and procurement. She worked closely with architects, engineers, owners, and subcontractors in her roles to investigate solutions that would maintain or improve contractual obligations. Since starting her career, Ms. Perera has assisted project teams in achieving substantial completion for contract values of over \$1B throughout New England.

One of Ms. Perera's strengths is working on multidisciplinary international projects. She has worked with students from over 40 countries at the Rotterdam School of Management at Erasmus University in the Netherlands during coursework for her MBA where she gained international business experience by working on diverse multidisciplinary teams. During that time, she consulted for a large international agricultural company and investigated smart city solutions aligned with the UN's Sustainable Development Goals. Early in her career, she worked with a non-profit in Thailand to support hill tribe land use rights through technology utilization and, most notably, worked on the Canal Expansion Project for the Panama Canal Authority in Panama consulting about impacts on the local community and environment.

Ms. Perera has a passion for construction technology and continues to pursue the impacts it is having on the industry. Her interest inspired her to sponsor a project with a local university that investigated innovative site solutions that would improve the construction lifecycle. Ms. Perera volunteers her time to help standardize Building Information Modeling (BIM) throughout the United States. She is continuing to learn about applications of technology and further developing expertise in the construction technology industry.

Academic Credentials & Professional Honors

M.B.A., Business Administration, Erasmus University Rotterdam, 2022

B.S., Civil Engineering, Worcester Polytechnic Institute, 2016

Licenses and Certifications

Certified Construction Manager (CCM)

FAA Part 107 Certified Commercial Drone Pilot

OSHA 30 Hour Outreach Training Program - General Industry

Prior Experience

Assistant Superintendent, Skanska

Civil Engineering Intern, Panama Canal Authority

Structural Fire Intern, National Park Service

Professional Affiliations

Society of Construction Law (SCL)

National BIM Program Subcommittee Member, National Institute of Building Sciences (NIBS)

AACEi Boston Section Publicity Committee Member, Association for the Advancement of Cost Engineering (AACE)

Construction Management Association of America (CMAA)

Former Construction Leadership Committee, AGC Massachusetts

Languages

Swedish (Sweden)

Publications

Presentations

Productivity Loss or Poor Planning? A Proactive Approach to Productivity Tracking, AACE Northeast Symposium 2023, AACE

Design, Construct, Operate your Network, Women Who Build Summit 2023, Construction Institute

Project Experience

Building

- Coordinated and managed foundation phase of US \$150m education building project leading craft workers, site logistics, and job site health and safety.
- Facilitated resolutions of field errors or omissions in conjunction with engineers and architects to maintain project schedule and budget of new construction projects.

- Developed and executed quality assurance plan for final acceptance of building turnover of US \$125m higher education and US \$92m luxury apartment buildings.
- Managed technical subcontractors during project life cycle from coordination with other trades to successful project turnover for a \$38m tenant fit-out.
- Performed regular quality control and safety inspections to ensure compliance with federal, state, and contractual obligations.

Infrastructure

- Evaluated social, economic, and environmental impacts of the US \$5bn Panama Canal Expansion project to ensure the sustainability, efficiency, and continuation of safe transit through the Panama Canal. Recommended future improvements to aids of navigation in the canal by analyzing successes and failures of navigation tools globally.

Utility

- Investigated 3,800 electrical as-built packages to mitigate the risk of regulatory non-compliant overloaded assets.
- Led as-built package risk mitigation effort from discovery to resolution by coordinating with internal construction, estimating, mapping resources.
- Consulted with senior leadership clients to review existing as-built process performance across program portfolio.
- Evaluated effectiveness of existing as-built process performance quality metrics.
- Managed post-construction process improvement initiative for electric PMO office.