



Exponent[®]
Engineering & Scientific Consulting

Krupal Bhatt

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Professional Profile

Mr. Bhatt is a Senior Manager in Exponent's Construction Consulting practice. He specializes in construction advisory, capital program governance, and enterprise project delivery consulting for clients managing large, capital-intensive infrastructure portfolios. His experience spans all phases of the project lifecycle, with particular focus on portfolio and program management, project controls, operating model design, and the integration of business processes with fit-for-purpose technologies.

Mr. Bhatt advises executive leadership teams on improving the predictability, transparency, and performance of complex capital programs. He is frequently engaged to assess organizational maturity, diagnose systemic delivery risks, and design governance and control frameworks that align strategic objectives with day-to-day execution. His work helps organizations define clear decision-making roles, establish consistent management routines, and build reliable data systems that support executive oversight and regulatory review.

A significant component of Mr. Bhatt's work involves improving and modernizing how capital programs are planned, managed, and reported. He has led initiatives to integrate portfolio governance, cost and schedule controls, procurement workflows, risk management, and financial reporting into cohesive delivery environments. These efforts have helped clients replace fragmented and manual practices with scalable systems of record that improve forecasting accuracy, compliance, and enterprise-wide visibility.

Mr. Bhatt has supported clients through periods of rapid growth, regulatory change, and organizational evolution, including global standardization efforts, large-scale portfolio expansions, and post-merger integrations. He has advised on programs involving heightened scrutiny, such as utility systems, hyperscale data center development, energy transition infrastructure, environmental remediation, and asset retirement obligations, where rigor, traceability, and accountability are critical.

Prior to joining Exponent, Mr. Bhatt held a senior advisory role at a global Big Four consulting firm, where he partnered closely with executive leadership to design and operationalize enterprise-scale capital delivery models. In this capacity, he advised on integrating business operations, governance structures, and enabling technologies to improve portfolio performance and long-term asset outcomes. Earlier in his career, he worked with a leading national general contractor supporting complex construction programs, developing a rigorous understanding of cost, schedule, and delivery risk. This foundation continues to inform his measured, executive-level advisory perspective.

Academic Credentials & Professional Honors

M.S., Construction Management, Texas A&M University, 2016

B.Eng., Civil Engineering, Gujarat Technological University, 2014

Academic Appointments

Visiting Lecturer (Honorary), Department of Construction Science, Texas A&M University, 2020-2024

Prior Experience

Senior Manager, Capital Projects & Infrastructure, PricewaterhouseCoopers (PwC), 2018-2024

Project Engineer, Estimator, Cadence McShane Construction, 2016-2018

Languages

Gujarati

Hindi

Project Experience

- Assessed the global data center construction portfolio for a hyperscale technology leader during rapid expansion. Performed a multi-dimensional review across governance, operations, systems, and data maturity. Delivered a roadmap to improve portfolio visibility, streamline reporting, and scale decision making for multi-billion dollar capital programs.
- Established a Technology Center of Excellence (CoE) for a major U.S. regulated utility, aligning Business Units, Finance, and IT under a unified governance and intake model. Built standardized prioritization, delivery, and reporting processes while helping leadership recruit and train a high-performance delivery team. The centralized framework improved capital alignment, accelerated solution deployment, and delivered clear executive visibility into digital ROI.
- Engineered an integrated Demand to Delivery framework for a hyperscale data center provider, synchronizing Commercial and Site Operations workflows. Served as the strategic bridge between sales execution and operational capacity, formalizing handoffs and data protocols. The model reduced time to market and ensured technical specifications aligned with commissioning readiness for multi megawatt deployments.
- Developed board level business cases for enterprise data and technology investments at a clean energy corporation. Quantified ROI across standardization efforts for P2P, Project Resource & Portfolio Management (PPM), and Levelized Cost of Electricity (LCOE) initiatives. Established a disciplined capital allocation framework aligned with aggressive decarbonization and growth targets.
- Harmonized international business processes for a global energy storage provider by designing a unified operating model spanning North America, EMEA, and APAC. Replaced regional silos with standardized project management workflows and governance. The effort reduced handoff cycle times and enabled scalable delivery of utility scale battery assets.
- Established a centralized PMO to oversee a high-risk environmental remediation and closure program for a large US utility. Defined governance structures, RACI models, and standardized processes across multiple sites. Transitioned the organization from reactive site management to proactive program level oversight.
- Reviewed governance and risk management practices for a Coal Combustion Residuals Asset Retirement Obligations (CCR ARO) program at a major U.S. utility. Assessed oversight of critical

ash pond sites and identified gaps in transparency and reporting. Delivered a roadmap to strengthen regulatory compliance and environmental stewardship.

- Identified high impact AI opportunities for a premier U.S. nuclear generation facility for a major US utility through a deep operational assessment. Defined use cases spanning predictive maintenance, automated regulatory compliance, and AI assisted project controls.
- Formalized an enterprise AI use-case portfolio for an internal initiative within a capital projects and infrastructure advisory practice at a global consulting firm, transitioning conceptual ideas into scalable, commercial solutions. Led cross-functional teams through build and test validation planning, and developed pricing, demand, and ROI frameworks.
- Redesigned lifecycle processes, controls, and protocols spanning Business Development, Construction, and Operations & Maintenance across a renewable energy client's portfolio. Embedded engineering rigor into each transition to ensure asset integrity and data continuity. Eliminated silos and improved long-term performance and maintenance cost profiles.
- Unified Cost and Work Breakdown Structures (CBS/WBS) across 15+ countries to enable a single financial view of global renewable construction portfolio for a clean energy corporation. Standardized advanced PPM software solution and data structures. Delivered real time visibility into performance, variance, and capital efficiency for executive oversight.
- Directed the global deployment of Oracle Primavera Unifier and P6 as the enterprise PPM backbone for an energy storage developer. Configured advanced cost and scheduling modules tailored to high density battery construction and managed the full lifecycle from requirements through global cutover. The implementation digitized manual workflows and established a trusted system of record across the portfolio.
- Created a proprietary "Decommissioning as a Service" (DaaS) offering for an internal initiative within a capital projects and infrastructure advisory practice at a global consulting firm to manage end to end retirement of complex industrial and energy assets. Integrated Asset Retirement Obligations' expertise, environmental compliance, and EPC controls into a scalable, tech-enabled program leveraging predictive analytics.
- Defined the project controls and risk strategy for the world's largest planned land to rail intermodal hub. Executed quantitative and qualitative risk analysis alongside forward pricing escalation modeling. Established foundational cost and schedule control requirements to ensure financial rigor and operational readiness.
- Operationalized a global Procure to Pay (P2P) digital strategy integrating procurement, project management, and finance systems. Implemented automated workflows for vendor onboarding, contract compliance, and payments across international units. The solution reduced cycle times, improved supply chain transparency, and strengthened cost control for renewable energy programs for a clean energy company.
- Evaluated PPM solution options for a large-scale environmental closure program for a major US utility through a structured technical maturity assessment. Defined project control standards and led competitive vendor evaluations and fit gap analysis. Drove selection of Oracle Primavera Unifier as the enterprise standard.
- Implemented Oracle Primavera Unifier for a major utility's Environmental Affairs organization. Led requirements definition, system configuration, E2E testing, and multi-site cutover. Successfully digitized complex cost and project lifecycles for project managers and field contractors.
- Stabilized a newly deployed enterprise project controls platform at a Major US utility through hands on change management and adoption support. Delivered targeted training for internal

teams and vendors and established long term governance protocols. Ensured sustained usage and data integrity for environmental compliance reporting.

- Designed executive dashboards using Tableau and Power BI to provide real time oversight of a high impact environmental remediation program at a large US utility. Integrated Oracle Unifier, P6, and Microsoft Project data into a unified reporting ecosystem. Automated operational and regulatory reporting while streamlining weekly executive reviews.
- Led post merger integration efforts following a multi-billion dollar natural gas acquisition led by one of the largest US utility. Supported a centralized PMO to align people, process, data, and technology. Identified cost to achieve synergy initiatives to capture merger value.
- Aligned gas distribution and transmission operations, telemetry, and regulator station teams under a unified five state operating model for a regulated US utility. Workshopped and authored future state business processes and led enterprise change management to drive standardized execution across field and office personnel.
- Structured executive level business cases for major capital initiatives requiring regulatory and public commission approval. Ensured investment justifications aligned with rate payer interests and corporate financial objectives across a five state footprint for a Natural Gas business unit at a major US utility.
- Reinforced post go-live governance for a large-scale Enterprise Asset Management (EAM) implementation supporting regulated gas infrastructure at a major US utility. Developed executive dashboards and analytics using Tableau, Power BI, and Maximo reporting. Established a single source of truth for asset health and regulatory performance.
- Delivered the end-to-end implementation of IBM Maximo for a five state gas utility. Managed requirements, configuration, multi-phase testing, and high risk cutover. Supported thousands of users through training and go live stabilization.
- Selected a next generation EAM platform for a multi state natural gas distribution network for a utility. Conducted market scans and vendor evaluations aligned to regulatory and operational requirements. Secured executive and board approval for a multi year Maximo centered roadmap.
- Consolidated governance and portfolio management frameworks following an EPC merger. Standardized project lifecycles across onshore and offshore units. Delivered unified executive reporting for a \$10B+ global project portfolio.
- Modernized scheduling and workflow management for an international design build firm by transitioning from manual tracking to a centralized MS Project environment. Enabled real time critical path visibility and improved schedule reliability across commercial developments.
- Executed preconstruction leadership for a high volume commercial portfolio for a national General Contractor, delivering 40+ estimates totaling \$400M+. Leveraged advanced takeoffs and cost modeling to secure \$150M in awarded work while preserving target margins.
- Implemented integrated cloud platforms to streamline project delivery and business development. Deployed Procore for field to office execution and Cosential for business development pipeline and proposal management. Improved win rates and operational transparency.
- Advanced value engineering (VE) initiatives during preconstruction to optimize budgets without compromising design intent. Built a repeatable VE framework that reduced startup lead times and strengthened competitive positioning in client negotiations.