

LOKESH MANI, EIT

Construction Technology | AI | VDC Leadership

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12+ Years	Up to 95%	264+ Units	Enterprise Rollouts
Civil / Structural + BIM / VDC + Construction Technology	Faster targeted repetitive modeling / takeoff workflows	Bathroom pods + exam-room modules / room-unit coordination	AI knowledge systems, ACC / Forma, analytics, and robotic layout

EXECUTIVE PROFILE

Construction technology leader with 12+ years spanning civil / structural engineering, BIM / VDC, prefabrication, field execution, and digital delivery. Currently driving senior-level VDC management while bringing automation, enterprise technology implementation, model-to-field workflows, and innovation adoption across healthcare, mission-critical data center, residential high-rise, gaming, commercial, and IPD programs.

Known for converting fragmented manual tasks into scalable standards: built Dynamo / Revit automations that reduce targeted repetitive workflows by up to 95%, implemented company-wide AI-enabled knowledge retrieval connecting email / SharePoint / Teams resources, deployed Autodesk Construction Cloud and Forma frameworks, and advanced federated Dusty Robotics layout, OpenSpace / Cupix capture, Power BI dashboards, laser scanning, and owner-facing virtual mockups in live project environments.

TECHNOLOGY LEADERSHIP PLATFORM

AI and Knowledge Systems - ChatGPT Business rollout - Email / SharePoint / Teams retrieval - API-connected chatbot workflows - Internal knowledge access	Autodesk Cloud + Data - ACC project setup - Asset Management (Prefab Blade Walls/ Pods) - Issue / cost workflows - Forma implementation + Power BI
Computational Design + Automation - Dynamo standards - Drywall file setup + linked-model copy - Pedestal / panel automation - Quantity takeoffs + cut panels	Field Tech + Prefab - Dusty federated layout - OpenSpace / Cupix 360 - Laser scanning + QA / QC - Virtual mockups + prefab planning - Drone Pilot

REPRESENTATIVE AUTOMATION PORTFOLIO

Workflow	Representative Automation	Business Impact
Drywall framing workflows	File setup, templates, linked-model content copying, and coordination-ready setup.	Faster project startup, less manual rework, and cleaner model standards across teams.
ACC / Forma implementation	Project setup, model bridging, issue management, cost management, and connected data structure.	Repeatable onboarding, smoother project visibility, and better coordination continuity.
AI knowledge retrieval	Company-wide GPT deployment connected to email, SharePoint, Teams files / chats, and internal documents.	Less search friction and faster access to company knowledge during delivery and support.
Power BI delivery analytics	Dashboards tied to design-driven scope movement, cost trends, and package visibility.	Sharper trend awareness for IPD coordination, scope conversations, and package management.
Raised-floor coordination	Pedestal placement / refresh, pedestal-type takeoffs, full panel layout including cut panels.	Up to 95% faster on targeted repetitive modeling / takeoff tasks with better consistency.

PROFESSIONAL EXPERIENCE

R.G. Construction Services, Inc. | Chicago Area, IL | Jul 2021 - Present

Senior VDC Manager | Construction technology, AI, innovation, prefab, and digital integration

- Lead VDC execution, constructability, clash coordination, model-based planning, prefab integration, and field-ready digital deliverables across healthcare, mission-critical data center, residential, commercial, gaming, and IPD programs.
- Extend beyond core BIM scope to drive automation, enterprise cloud workflows, robotics, analytics, and AI-enabled knowledge systems aligned with project delivery.
- Support IPD pursuits and interviews with RFP videos, websites, digital mockups, and technical storytelling as part of RG innovation efforts.

SIGNATURE PROJECT VISUAL PORTFOLIO



Advocate CAC & Wellington
Chicago | Healthcare / IPD



Sherwin-Williams Global R&D
Brecksville | R&D / IPD



Mayo Clinic Program
Rochester | Healthcare



Bally's Chicago
Chicago | Gaming / Commercial



Cleveland Clinic Programs
Representative visual: Lerner Research Building

Project / Program	Role + Technology	Scope / Impact
Advocate Illinois Masonic Medical Center - CAC & Wellington <i>Chicago, IL Healthcare IPD Phase 1 + Phase 2</i>	Trade-side VDC + prefab coordination; Dusty Robotics; OpenSpace 360; model-to-field planning.	\$645M campus expansion / modernization; 332,780 SF new construction, 260,000 SF modernization, 326 beds; 150+ bathroom pods.
Sherwin-Williams Global R&D Center <i>Brecksville, OH R&D / Commercial IPD</i>	Framing / drywall VDC trade partner; Power BI dashboards; package visibility and trend tracking.	Supported 600,000 SF innovation campus; tracked design-driven cost trends and scope movement for RG packages.
Data Center Portfolio - EdgeConneX / Microsoft / Colovore / MK16 <i>Midwest Mission-critical Multi-project</i>	Drywall + raised-floor BIM coordination; Dynamo pedestal / panel automation; federated Dusty layout.	Scaled consistent workflows across multiple data center programs; applied automation on live Microsoft MK16 delivery in Wisconsin.
Mayo Clinic Program <i>Rochester, MN Healthcare Live program</i>	Large-scale BIM / VDC, prefab, and field-technology support.	Current program exposure on a major Rochester healthcare build with heavy coordination and model-to-field needs.
Bally's Chicago <i>Chicago, IL Gaming / Commercial Large urban development</i>	Construction technology and VDC support on a marquee urban casino program.	Added gaming / hospitality project exposure to an already broad healthcare and mission-critical portfolio.

Project / Program	Role + Technology	Scope / Impact
Cleveland Clinic Programs <i>Ohio Healthcare Multi-project</i>	BIM coordination; exam-room pod coordination; model-to-field layout workflows.	44 exam-room pods plus field-integrated robotic layout implementation; representative visual shown from Lerner Research Building.
UChicago Medicine - AbbVie Foundation Cancer Pavilion <i>Chicago, IL Healthcare</i>	Drywall-side BIM coordination; federated Dusty robotic layout for all trades.	Supported all-trade model-to-field workflows on a major cancer pavilion program.
Irving Park MOB / Outpatient Care <i>Chicago, IL Outpatient care</i>	Prefab coordination; model-to-field planning.	Coordinated 70 exam-room pods with strong prefabrication and execution planning.
Advocate Lutheran General Surgery Modernization <i>Park Ridge, IL Healthcare Active hospital</i>	BIM / VDC coordination in a logistics-sensitive phased environment.	Supported delivery inside an operating hospital with complex sequencing constraints.
Artisan Residential High-Rise <i>Cleveland, OH Residential high-rise</i>	BIM / VDC support for drywall scope on a boutique tower project.	Expanded portfolio depth beyond healthcare and mission critical into Cleveland high-rise work.

CAREER FOUNDATION

Superior Concrete Products, Inc. | DFW Area, TX | Dec 2016 - Jun 2021

BIM / VDC Manager | Structural EIT

- Built the first BIM model of the company's 5.2-acre precast manufacturing plant, creating a live planning environment for a new mixer system, future production changes, and expansion.
- Generated BIM for community and residential developments using drone data, conceptual clash analysis, immersive visualization, and VR walkthroughs.
- Helped launch and operate a \$2M cold-formed steel framing startup after training on structural design and FRAMECAD operations; prepared estimates, design calculations, and shop drawings for multimillion-dollar precast screening wall and RECON retaining wall work.

Form Space Order, Pvt. Ltd. | Chennai, India | Apr 2013 - May 2015

Civil Engineer in Training

- Contributed shop drawings for reinforced-concrete and brick-masonry buildings and supported field supervision.
- Assisted end-to-end coordination of a 3-story reinforced-concrete residential building, building hands-on experience in estimating, planning, scheduling, procurement, quality checks, and crew management.

EDUCATION, CREDENTIALS & INDUSTRY ENGAGEMENT

Education	Licensure / Certifications	Industry Engagement
M.S. Civil Engineering - Structural Engineering The University of Texas at Arlington	- EIT #60603 - Texas Board of Professional Engineers - FAA Drone Pilot License - Florida Certified Building Contractor - CBC1263318 - NASCLA General Contractor Exam - OSHA 30 Construction - Revit, Navisworks, AutoCAD, Primavera P6	- Chicago Build speaker / panelist on AI, digital construction, prefabrication, BIM, and robotic layout. - Autodesk University attendee - past 5 years. - Presenter: BIM and Virtual Reality in Construction; 5D - Building Information Modeling. - Integral member of RG IPD / RFP interviews with videos, websites, digital mockups, and technical storytelling.
B.E. Civil Engineering Anna University, Chennai, India		

SELECTED PLATFORMS

Revit	Navisworks	Dynamo	ACC
Forma	Power BI	Dusty Robotics – Layout Robot	OpenSpace
Cupix	Bluebeam	AutoCAD 2D/3D	Civil 3D
Laser Scanning	Virtual Mockups	QA / QC iPad Workflows	FRAMECAD