

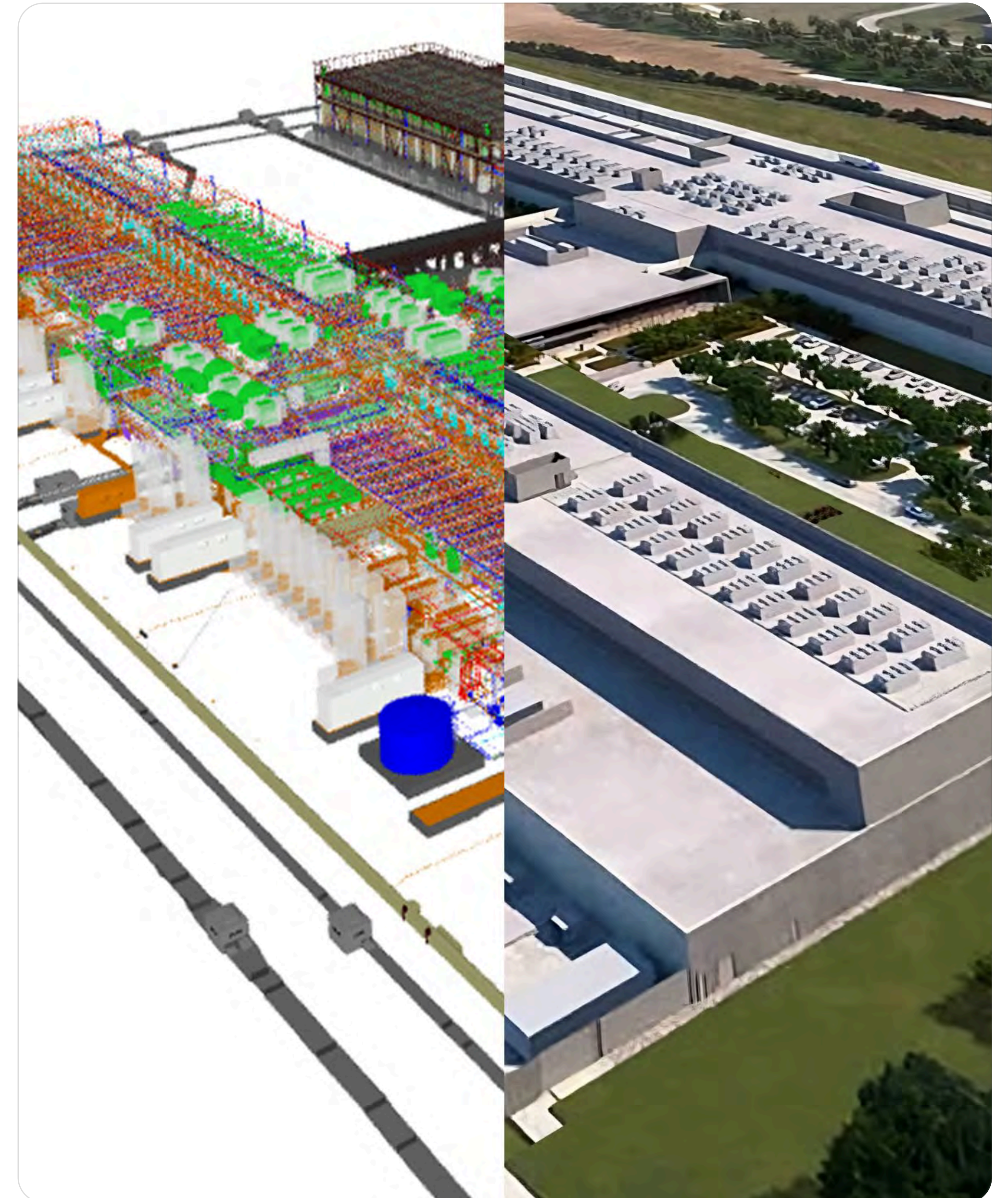
# GENERAL

## Statement of Qualifications



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# BUSINESS PROFILE

VEC is a **BIM and VDC construction technology consultancy** specializing in the integration of **Building Information Modeling (BIM), Virtual Design and Construction (VDC), and digital workflows** to enhance project efficiency, collaboration, and execution. We partner with self-performing trade contractors, general contractors, designers, and owners to streamline project delivery through **advanced modeling, prefabrication strategies, and data-driven decision-making.**

Our Mission:

## LET’S CHANGE THE [BUILT] WORLD

To challenge the status quo and reshape the way we plan, design, and construct the built world so humanity can thrive sustainably.

### CORE MARKET SECTORS



Mission Critical



Healthcare &  
Life Science



Public Works



Commercial



Aviation

200+

Employees

350+

Completed Projects

14+

Years of Experience

40+

Trusted Companies



# SENIOR LEADERSHIP



**Shane Saltzgiver**  
Founder & CEO

- 16 years of AEC industry experience — 14 years as BIM/VDC consultant (Founder of VEC in 2011), 6 years as electrical subcontractor (St. Francis Electric), 3 years as general contractor (Pankow, Straub)
- BS Degree: Construction Management, Cal Poly San Luis Obispo  
Minor Degree: CRP Real Property Development



**Oleg Osadchyi**  
Vice President of VDC Operations

- 13 years of AEC industry experience — 6 years as BIM/VDC consultant (VEC), 4 years as GC (James R. Thompson, Inc.), 3 years of field experience (Tufco Flooring LLC)
- BS Degree: Construction Management, Northern Kentucky University  
Minor Degree: Business Administration



**Ivana Gery**  
Director - Finance & Administration

- 13 years of AEC industry experience — 5 years in Financing (VEC), 8 years in Financing (St. Francis Electric)
- BS Degree: Masters of Business Administration, California State University of East Bay



**Kharlo Barcenas**  
Head of Sales & Marketing

- 17 years of AEC industry experience — 3 years as BIM/VDC consultant (VEC), 14 years as GC (Turner, BCCI, STO Build Group)
- BS Degree: Civil Engineering, San Jose State University



**Don Interdonato**  
Senior Director of Business Development

- 25 years of AEC industry experience — 9 years as BIM/VDC consultant (VEC, Microdesk), 11 years as MEP Engineering Consultant (WSP Group Lincolne Scott), 5 years as electrical subcontractor (Cupertino Electric Inc.)
- BS Degree: Business Administration, Centenary University



**Kevin Williams**  
Director - VDC Coordination Management

- 14-years in the Construction Industry — <1 year as BIM/VDC consultant (VEC), 4 years as general contractor (McCarthy Building Company), 10 years as GC (MATT Construction)
- BS Degree: Construction Management, Cal Poly San Luis Obispo



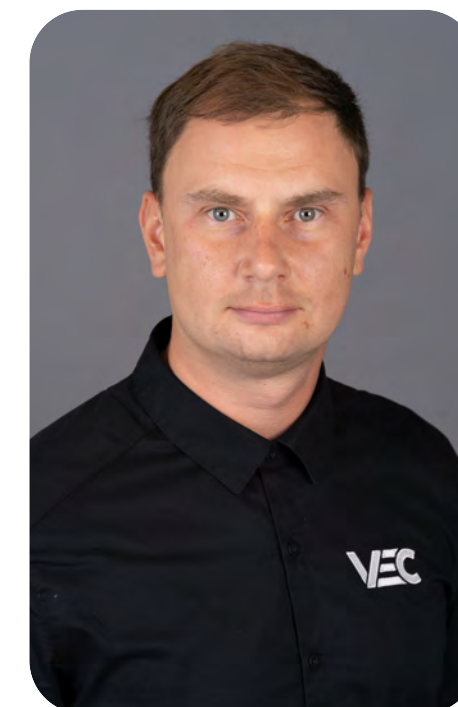
**Britton Eberts**  
Project Executive - Electrical VDC

- 9 years of AEC industry experience — 6 years as BIM/VDC consultant (VEC), 2 years as GC (Tutor Perini Building Corp.), 1 year as architect (Crockett Architects Inc.)
- BS Degree: Architecture, University of Miami  
Minor: Human and Social Development



**Rob Ohata**  
Senior Project Manager - Onsite Quality Control

- 13 years of AEC industry experience — 5 years as BIM Coordinator & BIM/VDC consultant (VEC)  
8 years of scanning survey technology experience (DPSI, Stantec, Sandis)
- BS Degree: Industrial Design, California State University of Long Beach



**Dzianis Ivanou**  
Senior Project Manager - Electrical VDC

- 12 years of AEC industry experience — 6 years as Electrical Project Manager (VEC)
- BS Degree: Civil Engineering, Belarusian State Academy of Agriculture  
Construction Management, Belarusian National Technical University



# A VISION SHARED BY OUR FOUNDER



Construction and the built world are vital to every aspect of human life. We can reshape the way we plan, design, and build projects. When **construction experience is blended with advanced technology in the right way** we can deliver projects that are **safer**, more **efficient**, less physically and mentally straining, and all around more enjoyable.

Our proven experience applying **BIM (Building Information Modeling) and VDC (Virtual Design & Construction) on 350+ projects** has taught us the right way to apply technology. We have a 200+ person team of VDC project managers, experienced union detailers, and BIM modelers who know what it takes to get from the model to the field. We are excited to blend our BIM/VDC and project experience to continue to help the best build better.

**Shane Saltzgiver**  
Founder & CEO



# TESTIMONIALS AND CERTIFICATIONS

**STO** BUILDING GROUP

Studio Director,  
STO Build Group

“Partnering with **VEC** is one of the highlights of my latest project. They laid the foundation of success that this project has been built on. I couldn’t be any prouder of what we have achieved, and look to **VEC** as a trusted partner for all of our future BIM/VDC needs.”

**CLUNE**  
CONSTRUCTION

MEP Coordinator,  
Clune Construction

“I would formally like to thank you and your team for their efforts on the 725 South Wells project. From day one **VEC** proved to be prepared and organized. Your team was highly engaged prior to the subcontractor kick-off meeting and knew exactly how to manage the coordination schedule. The experience that the lead project manager, Tom Sullivan, has in the construction industry proved to be invaluable. It allowed the entire coordination team to be prepared for a dynamic work environment.”

**HITT**

Project Manager,  
HITT Contracting, Inc.

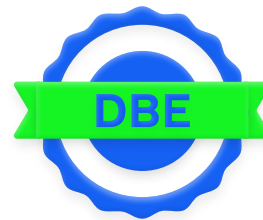
“Throughout my time at HITT I have worked with several different companies that provide BIM Management & Coordination. From day 1 **VEC** proved to be the most prepared and organized of all those companies... After this project, I moved **VEC** to the top of my list for outside BIM Management & Coordination.”



Minority Business  
Enterprise



SF Local Business  
Enterprise



Disadvantaged Business  
Enterprise



Small Business  
Enterprise

## WHO WE BUILD FOR

Meta

EQUINIX

LAX

Microsoft

Google

amazon

## WHO WE WORK WITH

SWINERTON

HITT

CLUNE  
CONSTRUCTION

MWH&WEBCOR  
MWH CONSTRUCTORS & WEBCOR BUILDERS  
A CONSTRUCTION JOINT VENTURE

MCGARTHY

**STO** BUILDING GROUP

ROSENDIN

REDWOOD  
ELECTRIC GROUP

JH KELLY

THE NEWTRONgroup



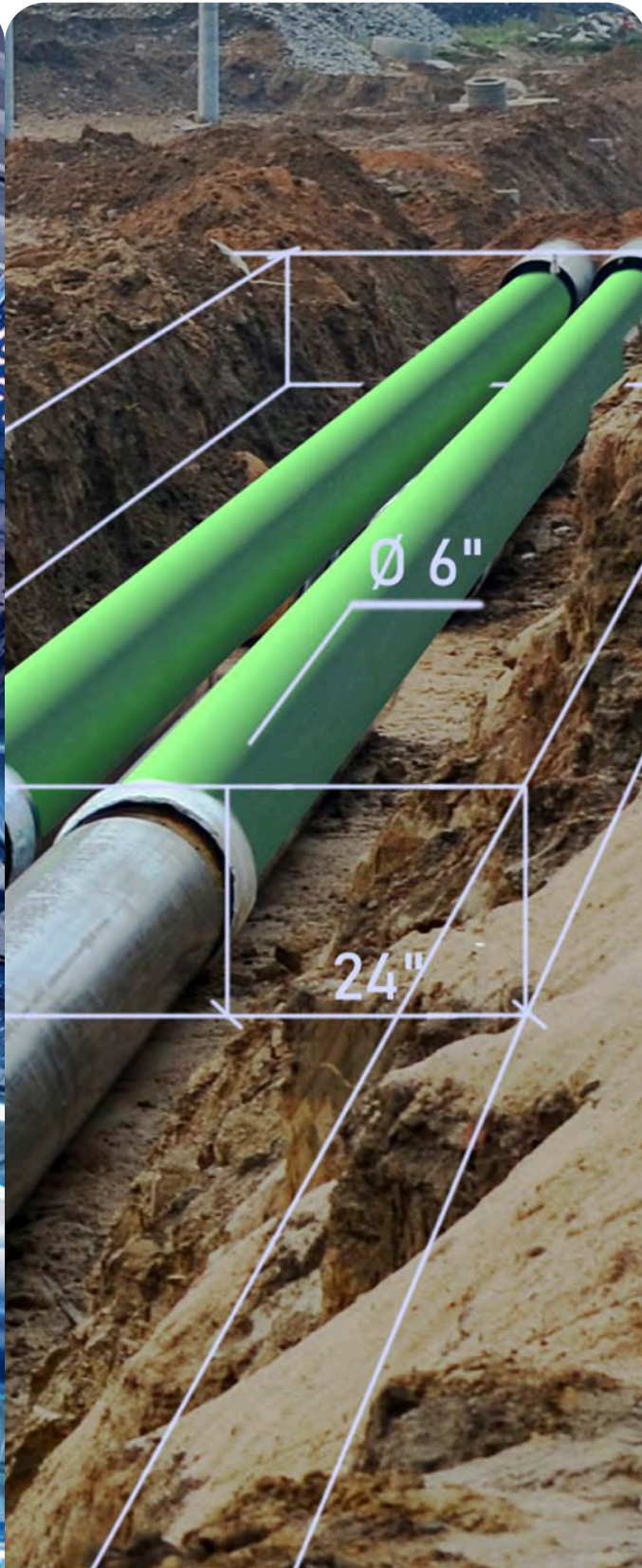
# PORTFOLIO OF SERVICES



**Electrical  
BIM & VDC**



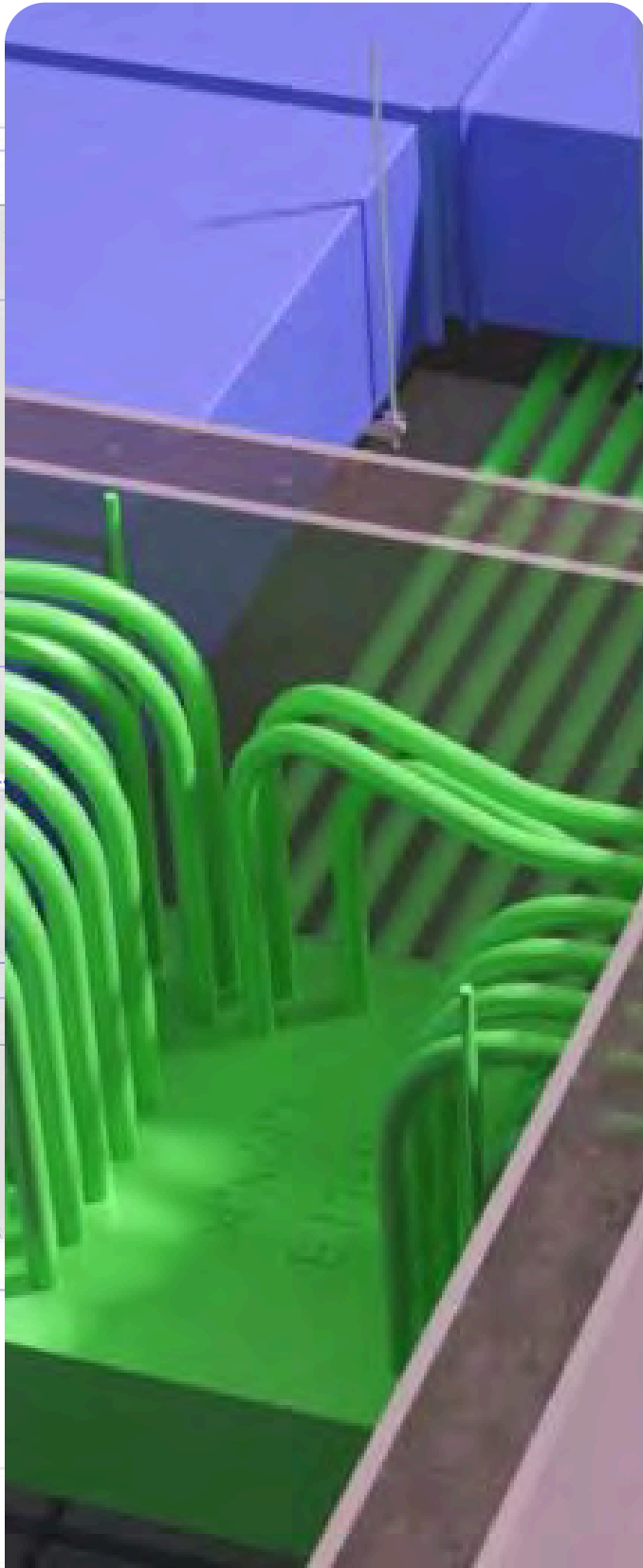
**Mechanical &  
Plumbing  
BIM & VDC**



**Civil  
Underground  
BIM & VDC**



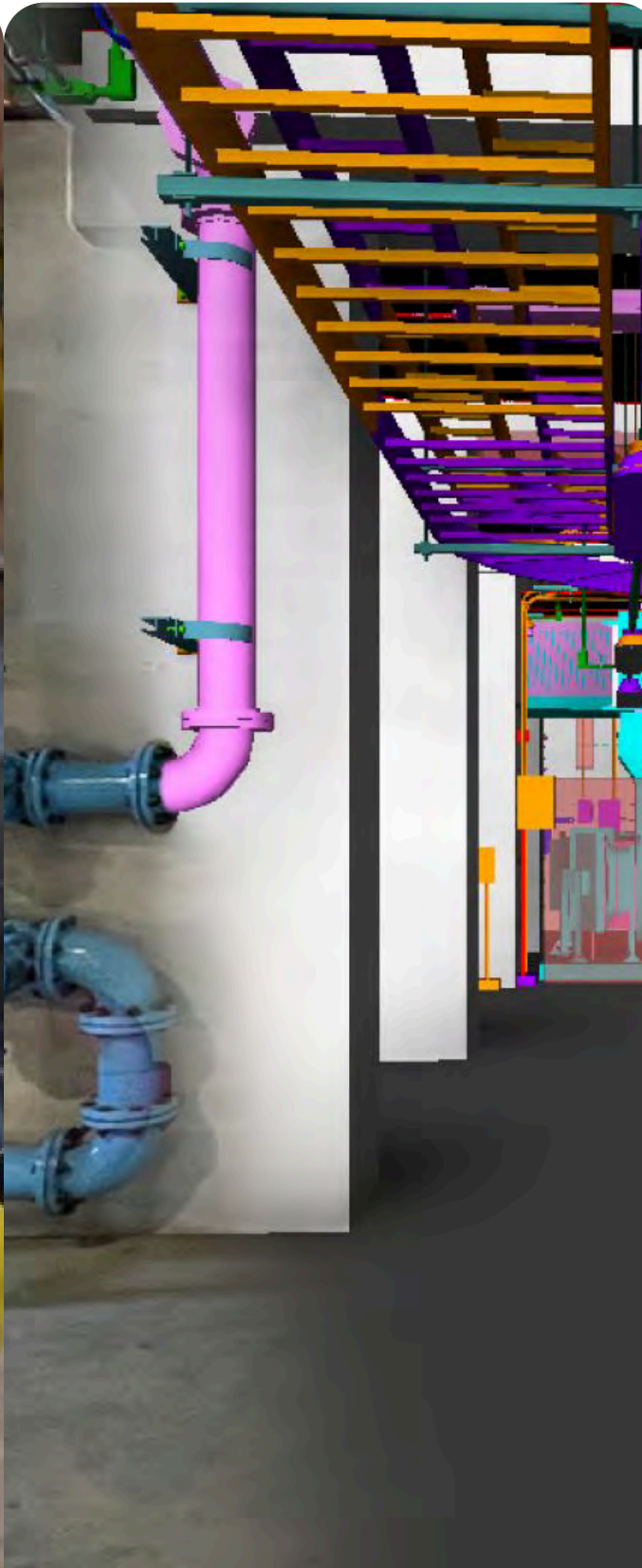
**Concrete  
BIM & VDC**



**VDC  
Coordination  
Management**



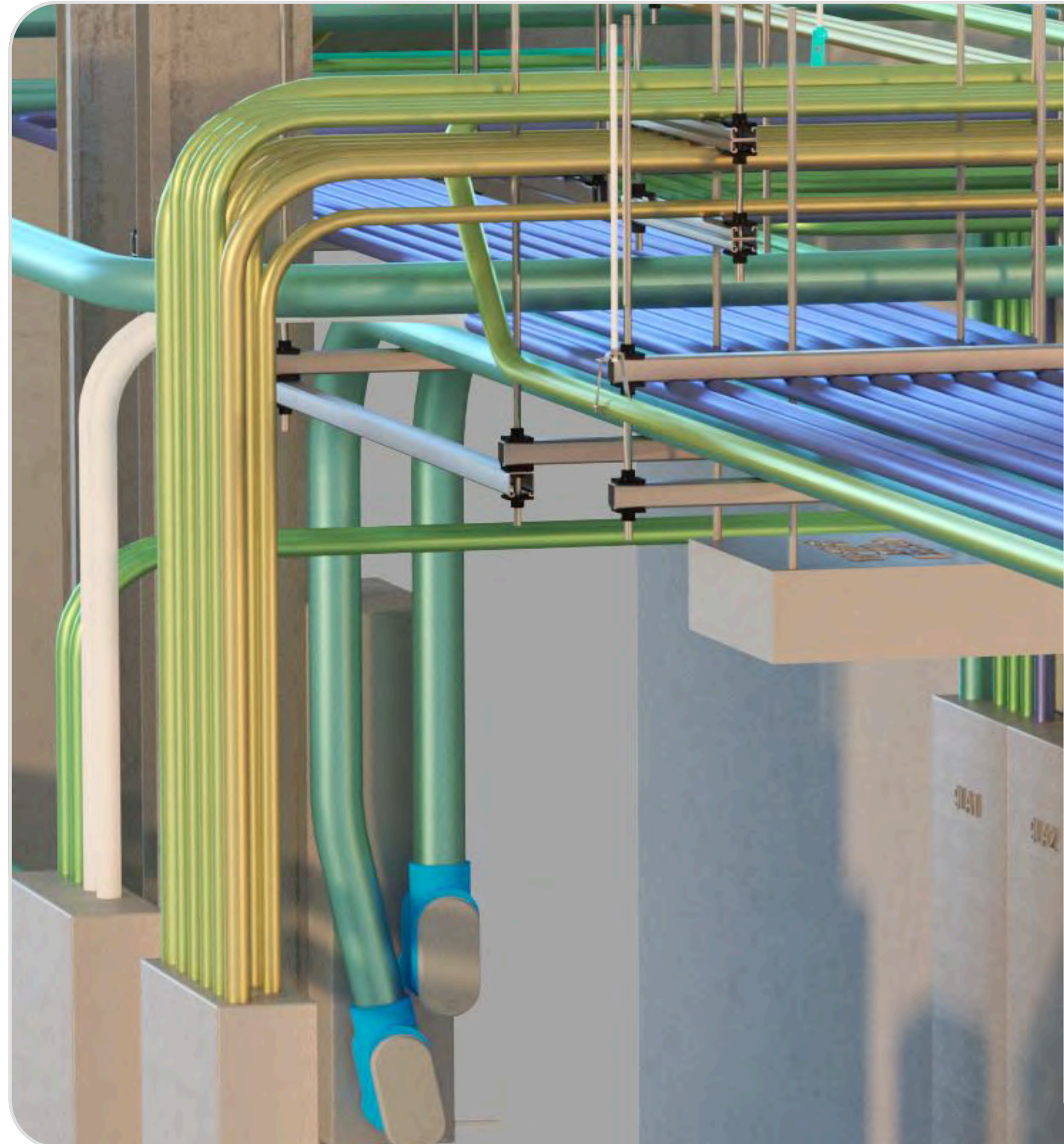
**Onsite Quality  
Control**



**Enhanced  
Design**



# CORE SERVICE FEATURES



## Electrical BIM & VDC

VEC's roots in the construction world began with electrical project management and BIM implementation, which continues to inspire our journey since the electrical scope presents one of the most significant challenges regarding design and installation.

- Redlining & Preplanning
- Prefabrication / Spool Sheets / BOM
- BIM Modeling & Coordination
- Shop / Installation Drawings



# CORE SERVICE FEATURES



## Mechanical and Plumbing BIM & VDC

We keep the mechanical systems installer in mind at each design stage: 3D modeling, coordination, and drawing production. Bringing the field installation to the forefront enables our mechanical BIM specialists to reduce different productivity deterrents and to allow for significant time and material savings.

- Constructability Review & Routing Optimization
- Modeling & Coordination
- Prefabrication Planning
- Shop / Installation Drawings



# CORE SERVICE FEATURES



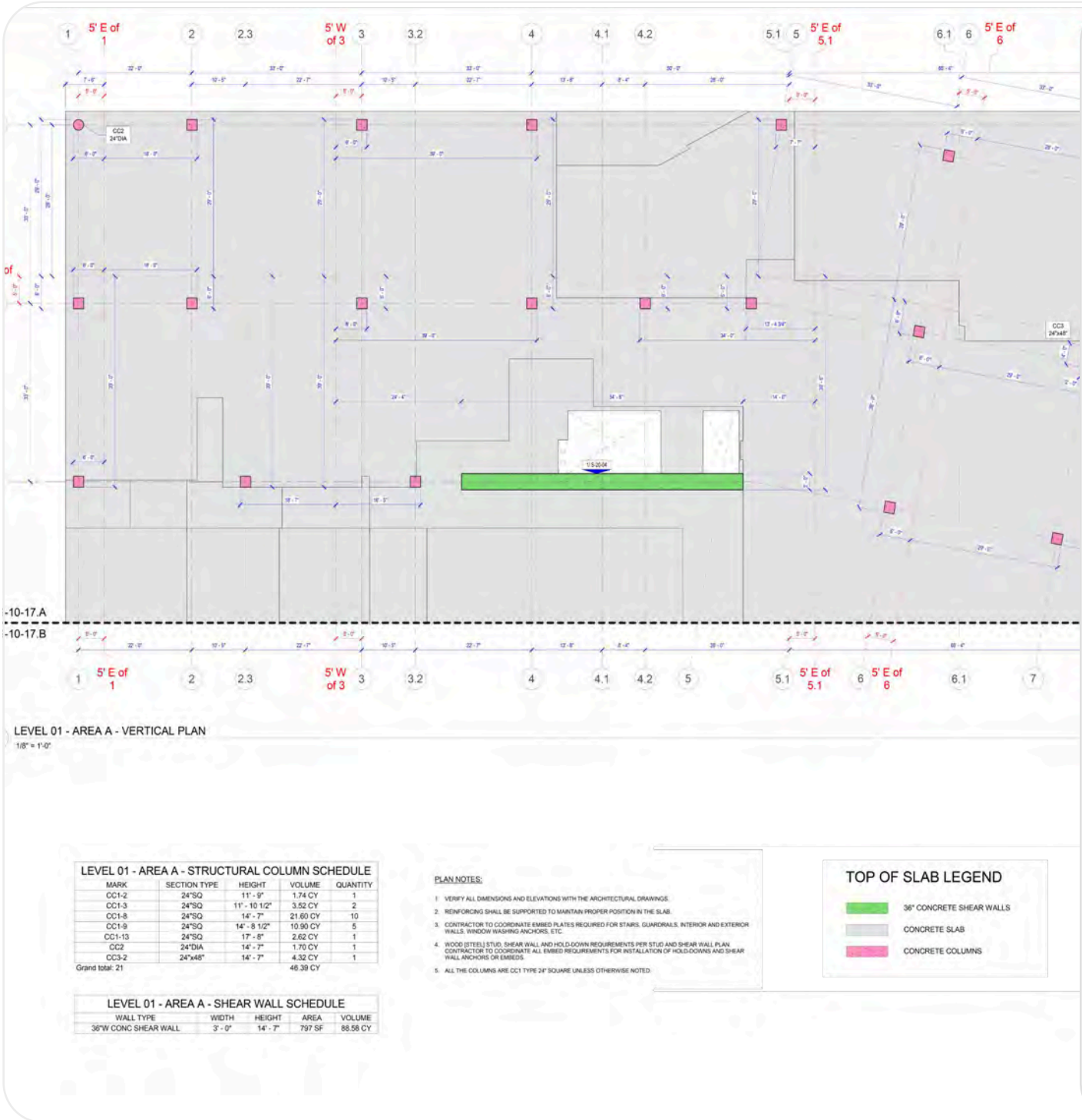
## Civil Underground BIM & VDC

VEC offers both Wet and Dry Utility Modeling & Coordination, both of which are complex in their own right. It is important to ensure what is going into the ground is coordinated properly to avoid costly field rework. Once coordinated, our model can be utilized to create layout points for installation. Installation drawings can be provided which can be used on-site to verify that the installation aligns with the plan.

- Preconstruction Planning
- Bid Pursuit Support
- Scheduling & Estimating
- Shop / Installation Drawings



# CORE SERVICE FEATURES



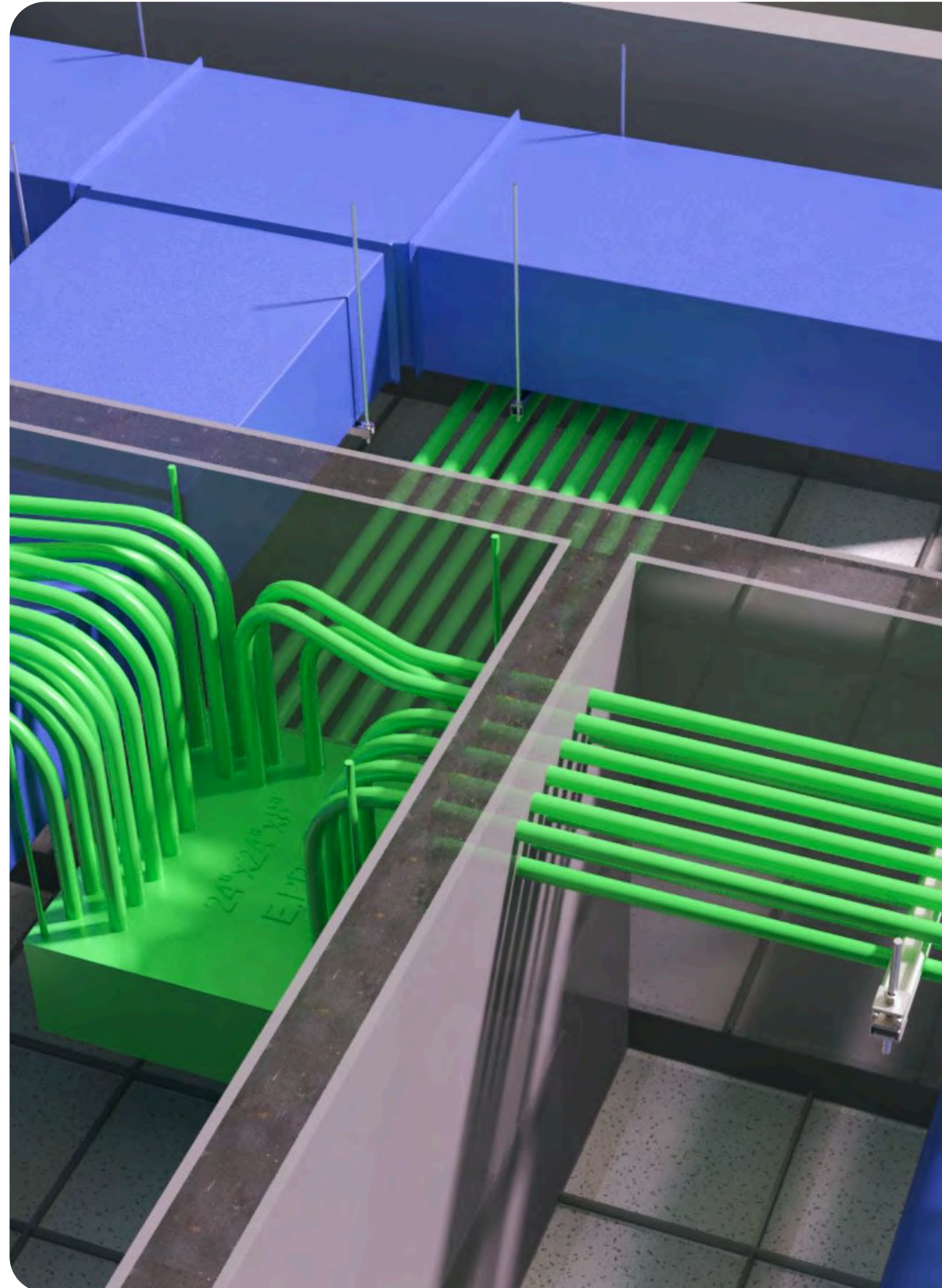
## Concrete BIM & VDC

Being at the forefront of innovative construction solutions, VEC helps clients unlock the future of structural concrete BIM VDC service.

- BIM Modeling & Coordination
- BIM In-House Plug-In Development
- Onsite Layout Quality Control
- Shop / Installation Drawings



# CORE SERVICE FEATURES



## VDC Coordination Management

Built from the field, our team leverages prior experience in field management and real-world MEP trade coordination to deliver the highest possible value. Leveraging this knowledge, VEC addresses the demand for better processes to provide all stakeholders with a project-specific BIM Execution Plan (BEP). We manage coordination on a simple platform providing our clients with precise data to keep the team on schedule.

- Contract Language Assistance
- Coordination Platform Setup
- Digital BIM Execution Plan (BEP)
- Develop Coordination Schedule



# CORE SERVICE FEATURES



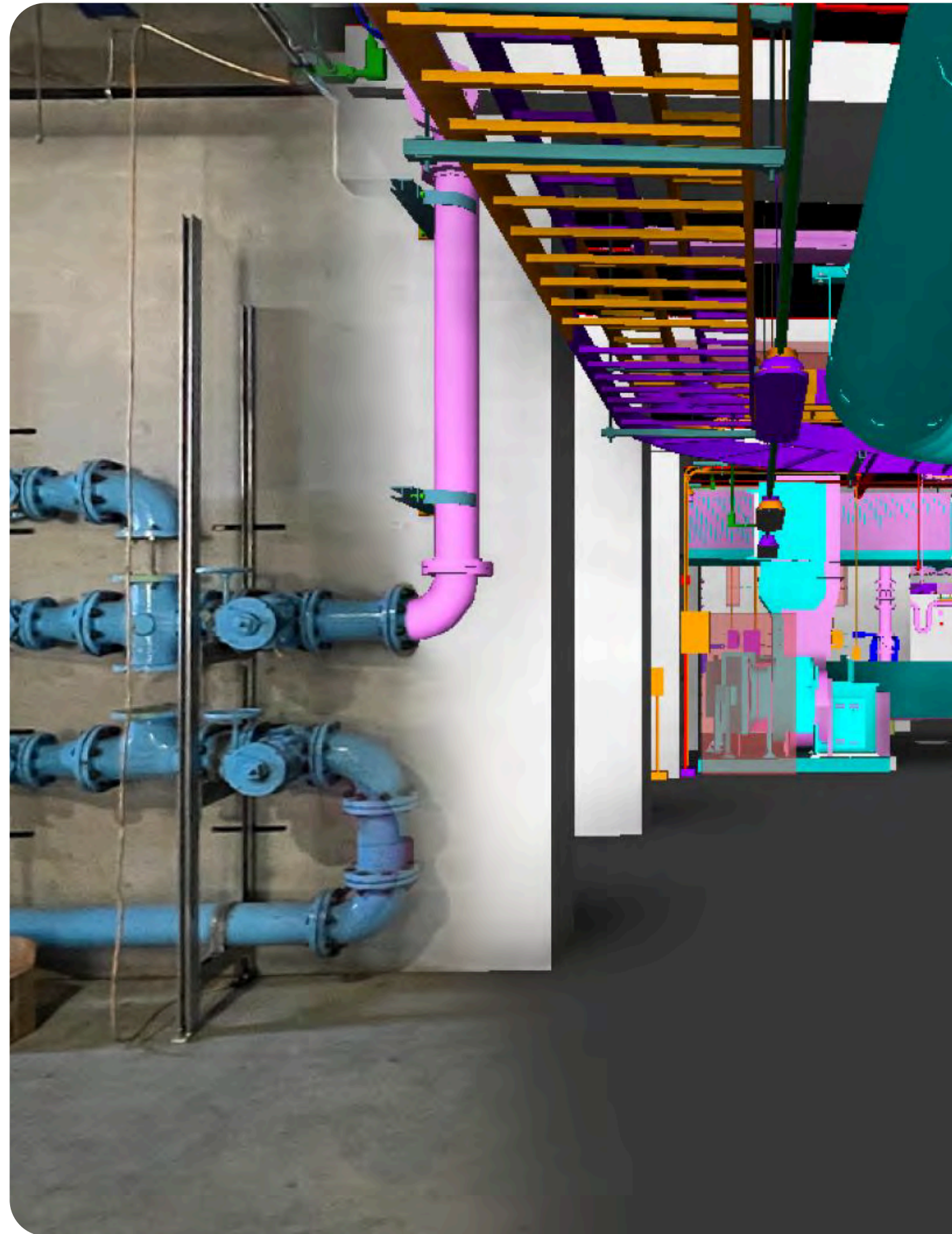
## Onsite Quality Control

Regardless of the project stage or type, there can always be critical gaps between design and the field. Our onsite technology services provide clients with the required clarity between the 2D design and real life. By establishing a streamlined process, VEC's field specialists can effectively assess the existing site conditions, identify potential issues and risks, recommend solutions, and work collaboratively with your team.

- Trimble Layout
- 360° Photo/Video Documentation
- 3D Laser Scanning
- Labeling
- Scan-to-BIM



# CORE SERVICE FEATURES

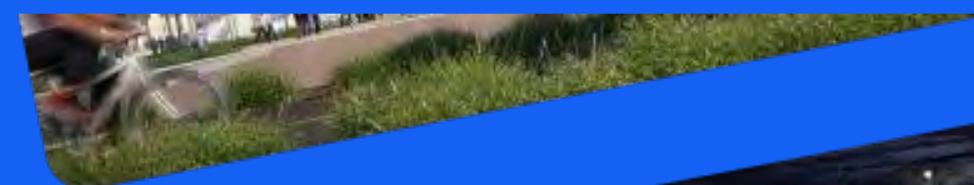


## Enhanced Design

By leveraging our proprietary process and vast experience in preconstruction, we help bridge the gap between design and construction for owners and developers. Partnering with VEC during early design stages produces enhanced construction documents that can deliver accurate material quantities at bid time, identify and resolve installation risk during preconstruction, and accelerate installation to deliver incredible project results.

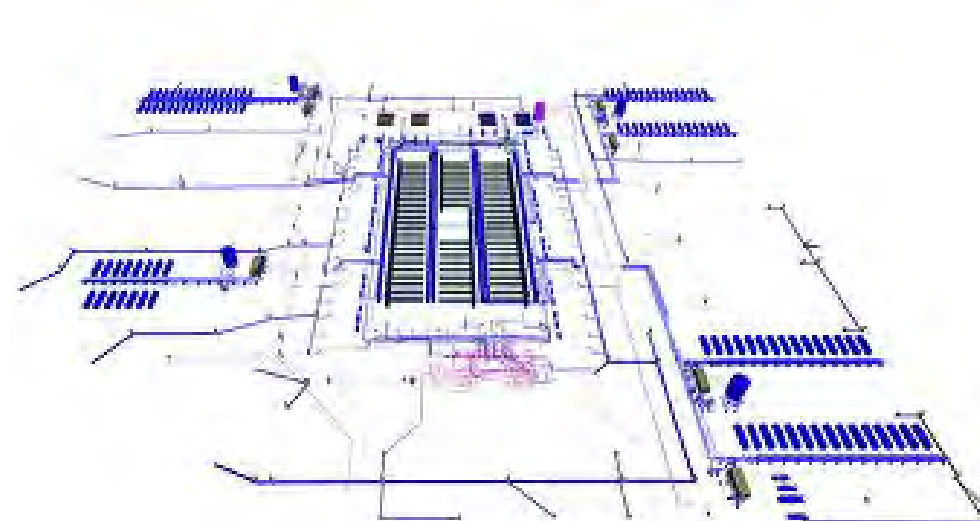
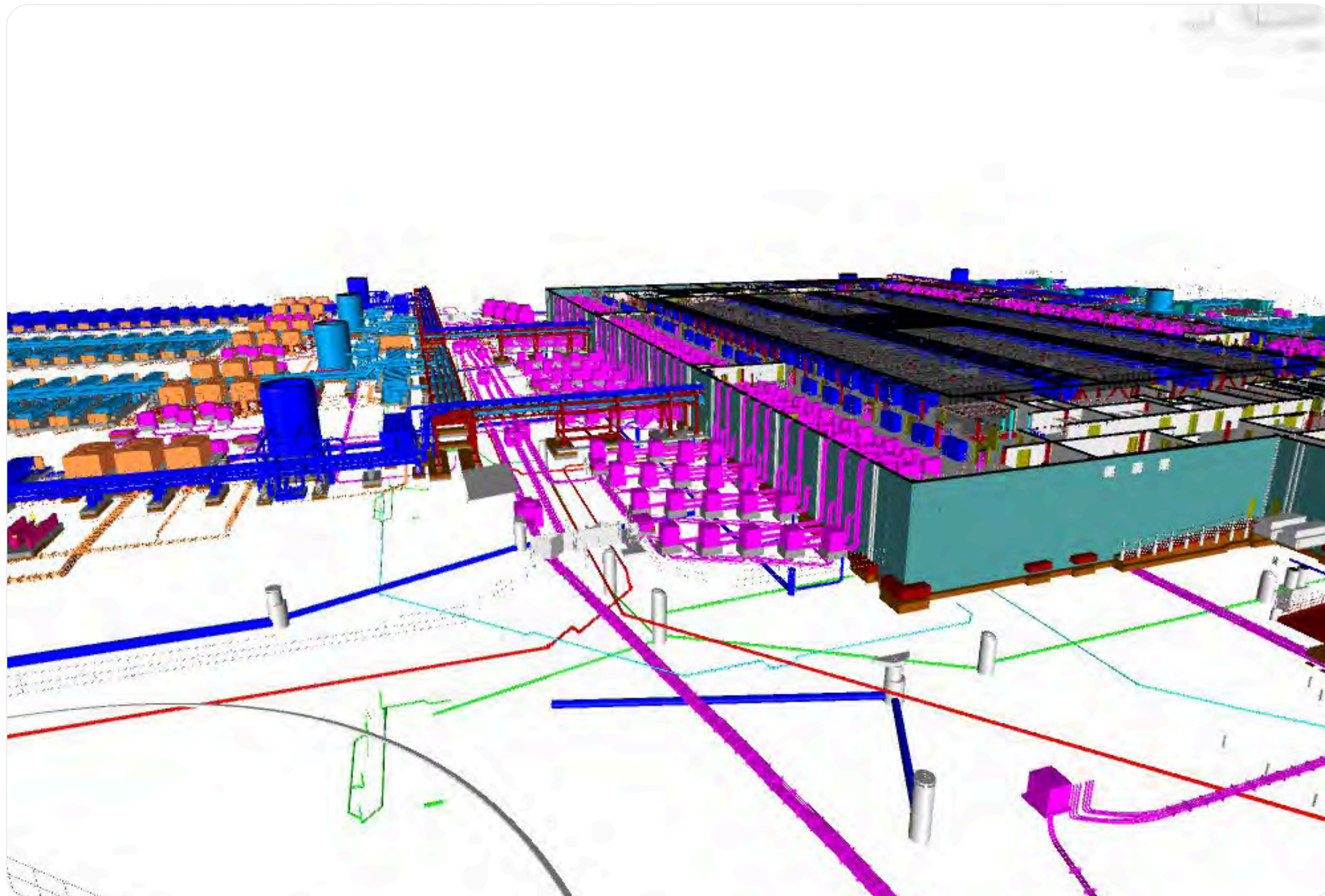
- Digital Execution & Governance Planning
- Validate & Optimize System Distribution
- Design Model Development to LOD 350
- Model-Based Cost Analysis





# COMPLEX PROJECT EXPERIENCE





# Confidential Data Center #7

## Market Sector:

Mission Critical

## Size:

900,000 sq. ft.  
\$10B+ total development cost

## Year:

2023 — Ongoing

## Location:

Atlanta, GA

## Services Provided:

- VDC Coordination
- Civil Underground Wet/Dry
- Concrete
- Electrical
- Fire Protection
- Onsite QC: 3D Laser Scanning & Point Layout
- “Gap” Modeling
- 4D Scheduling/Site Logistics

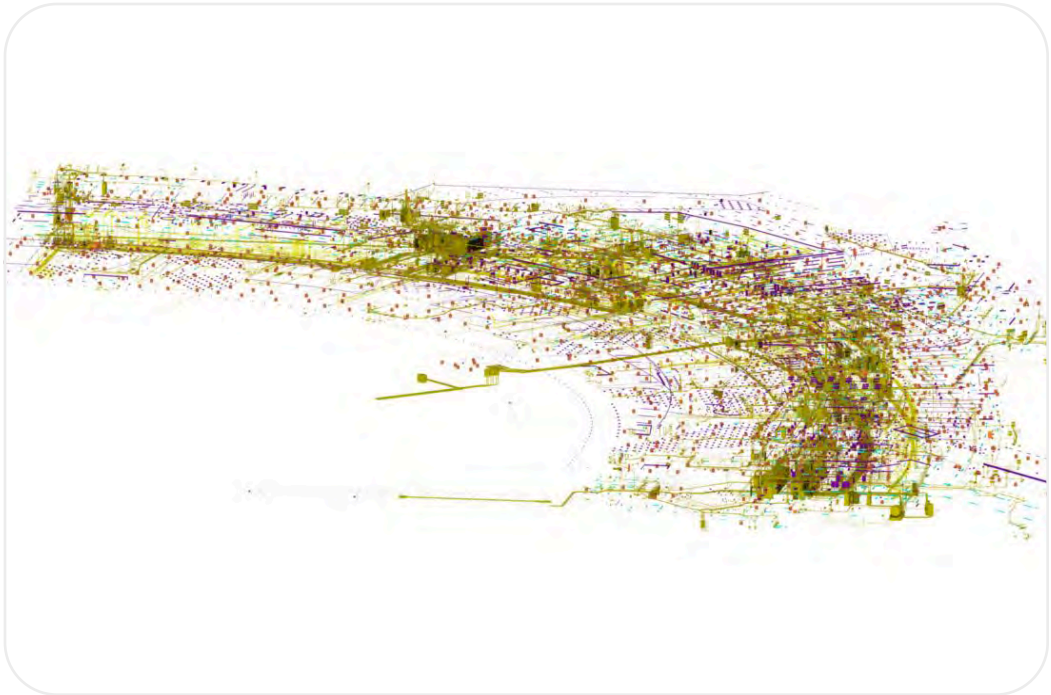
This confidential data center project began with a 300 MW Data Center building, but through commitment, constructability-focused approach, and sense of ownership, the scope quickly expanded to include the entire site. Our experienced team secured the 900,000 sq. ft. field work with accurate, refined, and neat installation drawings that rendered the construction process streamlined and well-organized. The project now encompasses five data centers across a site of land around 6.6 million sq. ft., with additional phases planned. The expected end date for the mega campus is 2032.





# San Francisco International Airport — Harvey Milk Terminal 1

<b>Market Sector:</b>	<b>Size:</b>	<b>Year:</b>
Aviation	1,400,000 sq. ft.	2017 — 2020
<b>Location:</b>	<b>Services Provided:</b>	
San Francisco, CA	<ul style="list-style-type: none"><li>• Electrical BIM/VDC - Power &amp; LV</li><li>• Onsite QC - 3D Laser Scanning</li></ul>	



SFO's Terminal 1 renovation modernizes the oldest terminal with updated passenger circulation, over 20 gates, a new ticketing lobby, and loading bridges. It incorporates next-gen systems, anticipates traffic growth, and addresses future aviation trends and rising sea levels. Notably, it is the first terminal globally to achieve LEED Platinum status, balancing operations with long-term improvements.





# Cedar Hill Regional Medical Center - New St. Elizabeth

## Market Sector:

Healthcare

## Size:

348,000 sq. ft.

## Year:

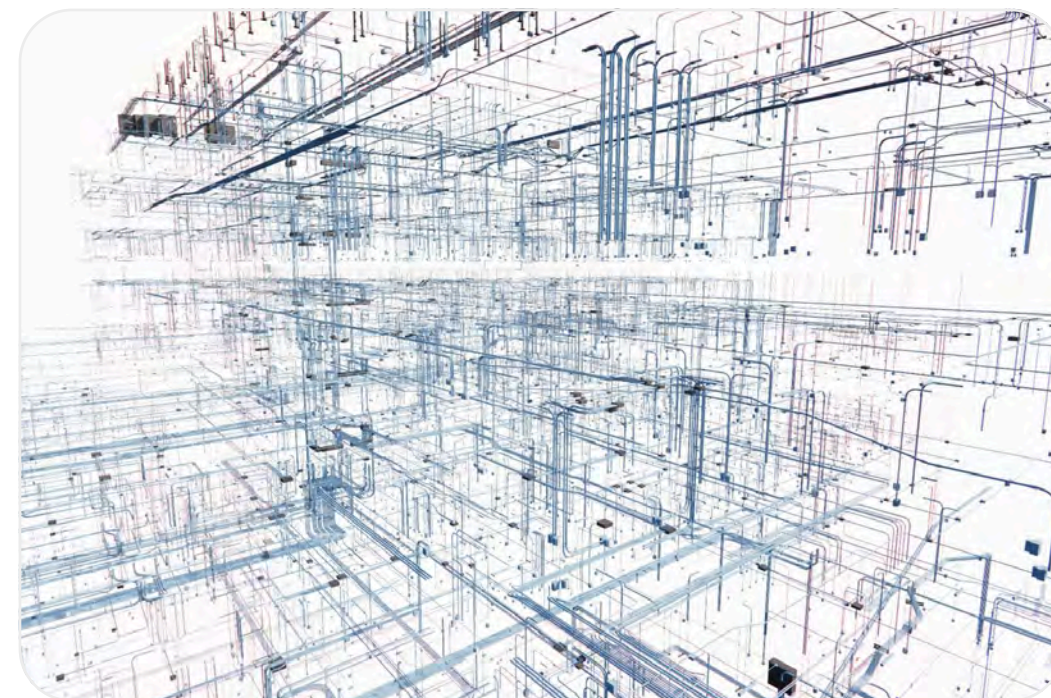
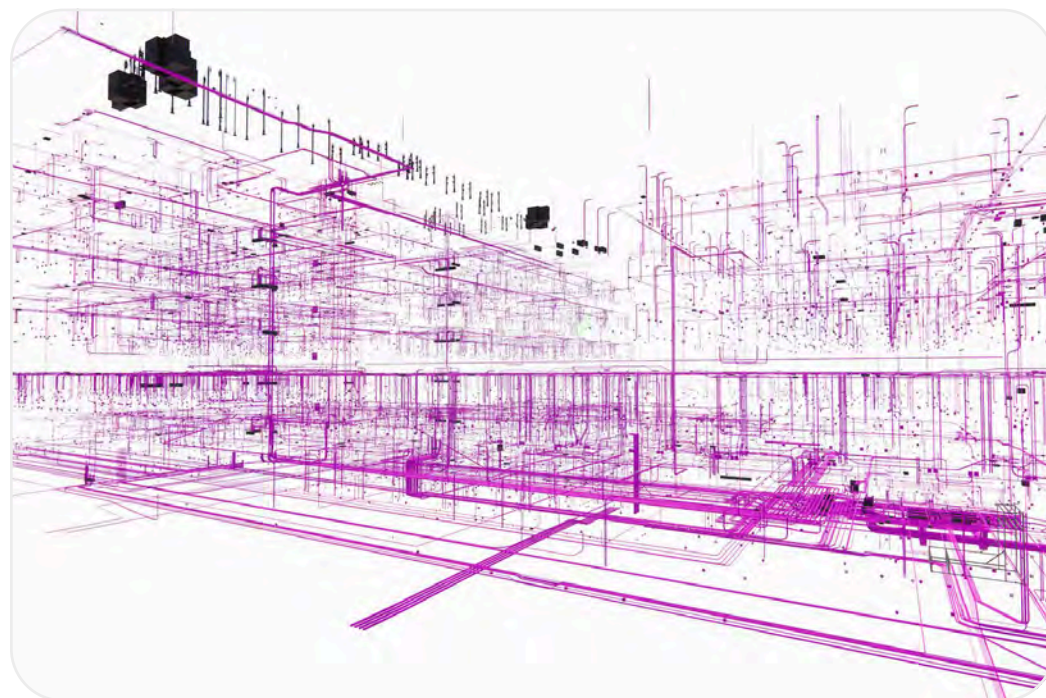
2022 — 2023

## Location:

Washington D.C.

## Services Provided:

- Electrical BIM/VDC - Power & LV



Our client was the electrical subcontractor at the New St. Elizabeth project at Cedar Hill Regional Medical Center in the nation's capital. VEC provided modeling, detailing, and pre-fabrication spooling scope for the overhead and in wall systems running through the 348,000 square foot building. Systems included are power, lighting, fire alarm, technology, security, and nurse call to LOD 350. Throughout the project, our team provided exemplary service which has already led to new project opportunities with the new client.





# Confidential Manufacturing Plant

**Market Sector:**  
Battery Manufacturing Plant

**Size:**  
\$4B+ total cost;  
\$400M electrical  
4,700,000 sq. ft.

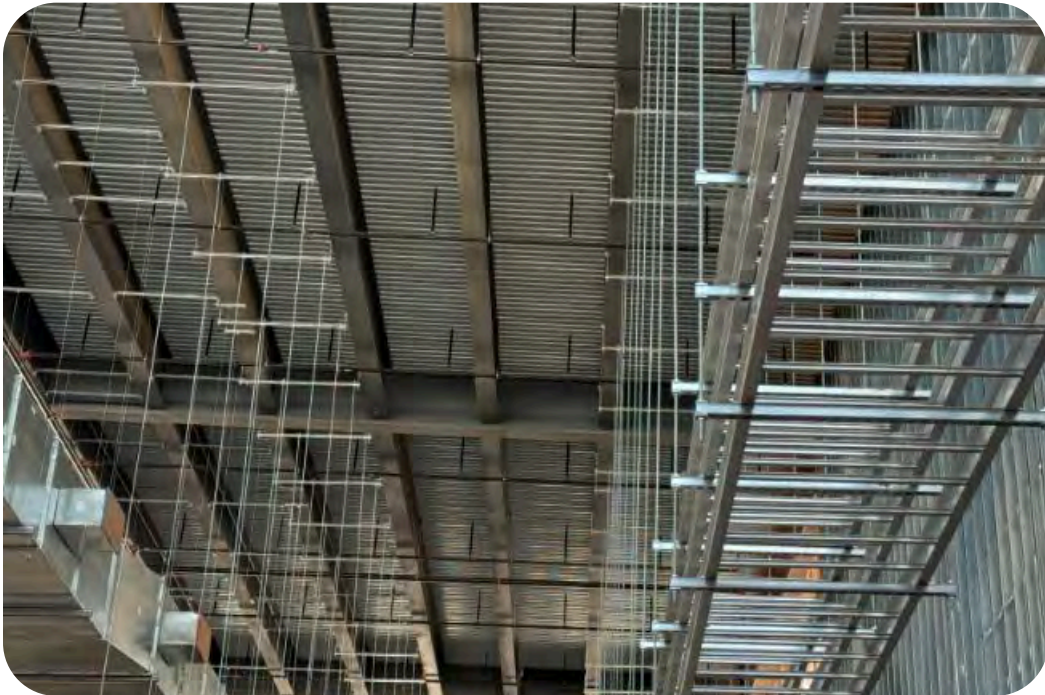
**Year:**  
2023 — Ongoing

**Location:**  
USA

**Services Provided:**

- Electrical BIM/VDC - Power & LV

VEC contributed to this grand lithium-ion battery plant construction project with its deep expertise in BIM/VDC. The team's efforts were focused on 3D modeling and coordination of the plant's electrical systems' network, namely overhead power, temp/demo, and overhead telecom systems. VEC also supported the issuing of the equipment and equipment pad layout and reflected ceiling plan layout drawings.







# UCSF Block 23A — Joan and Sanford I. Weill Neurosciences Building

## Market Sector:

Life Science

## Size:

297,781 sq. ft.

## Year:

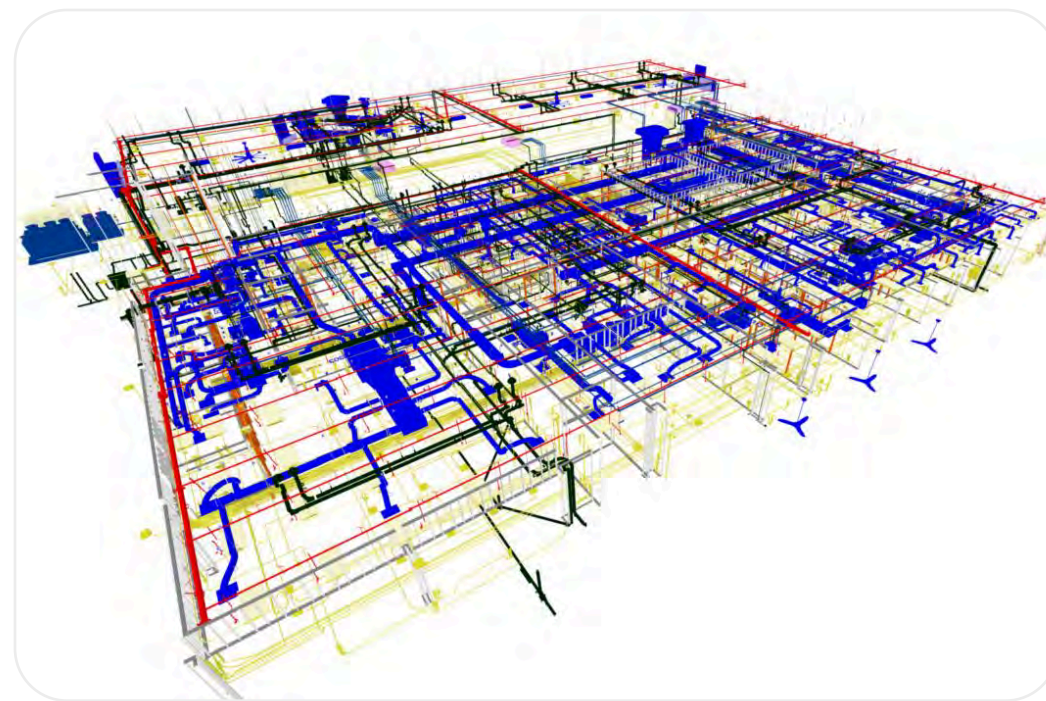
2020

## Location:

San Francisco, CA

## Services Provided:

- Electrical BIM/VDC - Power & LV
- Onsite QC - 3D Laser Scanning



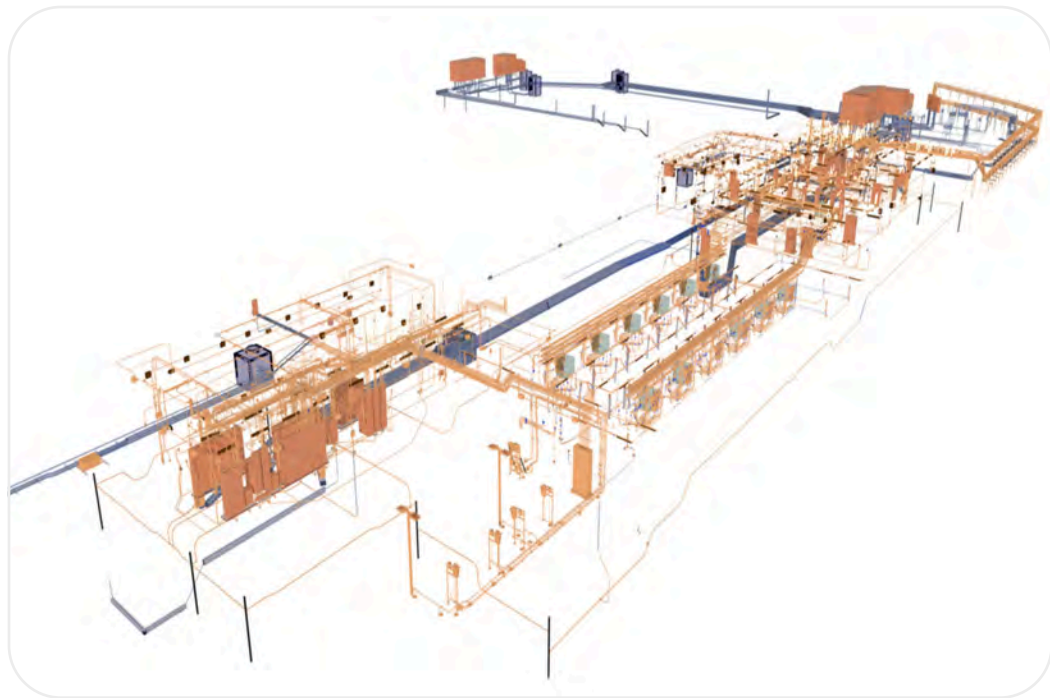
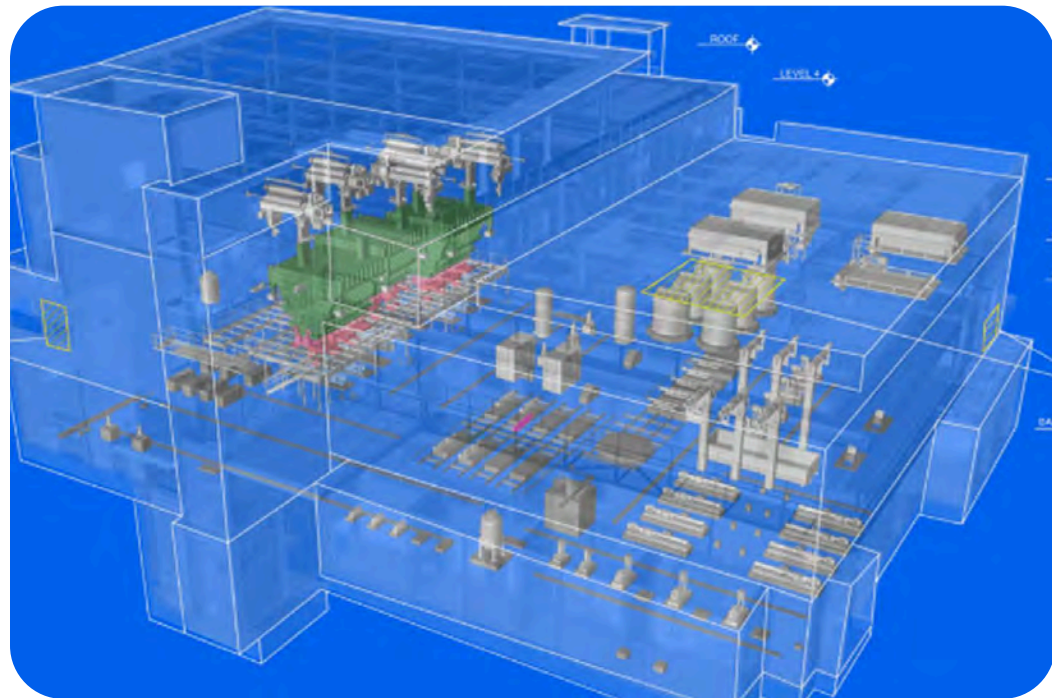
This six-floor neuroscience building houses clinics and up-to-date research centers, including laboratories, engineering, and computational research spaces. Besides, it is the headquarters of the UCSF Weill Institute for Neurosciences. In this case, VEC provides many critical services, including QA/QC, DPR drawings VS design drawings, power, lighting, fire alarm, telecom, security, and audiovisual modeling. Therefore, our experts helped improve lab cooperation and contributed to medical breakthroughs.





# SFPUC - Biosolids Digester Facilities

<b>Market Sector:</b> Water Treatment Plant	<b>Size:</b> 698,600 sq.ft. \$3B+ total development cost	<b>Year:</b> 2022 — Ongoing
<b>Location:</b> San Francisco, CA	<b>Services Provided:</b> <ul style="list-style-type: none"> <li>• Electrical BIM/VDC - Power &amp; LV</li> <li>• 4D Simulations &amp; Sequencing</li> <li>• Onsite QC - 3D Laser Scanning</li> <li>• Site Logistics</li> <li>• Mechanical - Process Piping; HVAC</li> <li>• Plumbing</li> </ul>	



The **San Francisco Public Utilities Commission (SFPUC)** has invested over \$3 billion in upgrading the aging Southeast Water Pollution Control Plant. The **Biosolids Digester Facilities Project** is located within a confined site facing high groundwater levels, poor soil conditions, and an urban environment with high population density. The SFPUC plant renovation project will advance the nearby neighborhood with an up-to-date resource recovery facility with better smell, look, and performance. VEC offered a set of BIM & VDC services on the Biosolids Digester Facilities Project, aligning the **Southeast Water Treatment plant** with sustainable construction practices.



# CONTACTS AND LOCATION

## NATIONWIDE TERRITORIES



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