

Innovative BIM & VDC Solutions for Streamlined Construction: expertise in Digital Workflows, Prefabrication, 4D Synchro Scheduling, In-House Plug-In development and civil underground BIM for to optimize Design, Build and Project Management

Summary

Profile type

Business Offer

Company's country

Ukraine

POD reference

BOUA20250325021

Profile status

PUBLISHED

Type of partnership

Commercial agreement
Outsourcing agreement

Targeted countries

• World

Contact Person

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Term of validity

25 Mar 2025
25 Mar 2026

Last update

25 Mar 2025

General Information

Short summary

We are a constantly growing business cooperating with leading engineers, designers, and contractors with vast expertise in BIM, virtual design, and construction technologies. Since its foundation in 2010, we have delivered over 350+ nationwide projects. With about 200 BIM virtual construction experts, our company is among the United States' most experienced BIM and VDC vendors, earning the trust of 70+ companies.

Full description

We specialize in integrating Building Information Modeling (BIM), Virtual Design and Construction (VDC), and digital workflows to enhance project efficiency, collaboration, and execution. Our comprehensive services include:

- **Electrical BIM & VDC:** originating from electrical project management and BIM implementation, we offer services such as redlining and preplanning, BIM modeling and coordination, prefabrication/spool sheets/BOM, and shop/installation drawings.
- **Concrete BIM & VDC:** we provide BIM modeling and coordination, shop/installation drawings, in-house plug-in development, and onsite layout quality control to deliver innovative structural concrete solutions.

- VDC Coordination Management: leveraging field management experience, we deliver value through digital BIM execution plans, contract language assistance, coordination schedule development, and coordination platform setup.
- Mechanical & Plumbing BIM & VDC: focusing on installer-friendly designs, our services include constructability review and routing optimization, prefabrication planning, 3D mechanical modeling and coordination, shop drawings, and installation drawings.
- Onsite Quality Control: we offer services like Trimble layout, 3D laser scanning, scan to BIM, labeling, and 360° photo/video documentation to ensure clarity at every project stage.
- Civil Underground BIM & VDC: utilizing advanced technology and a commitment to quality, we provide building information modeling, project management and VDC/BIM coordination, civil underground wet and dry VDC, and onsite quality control.
- Enhanced Design: tailored for owners and developers, we bridge the gap between design and construction through digital execution and governance planning, design model development to LOD 350, system distribution validation and optimization, and model-based cost analysis.

Certifications:

VEC is a rapidly growing company that has already gained some critical certifications thanks to our support in job creation and contribution to a more robust local economy:

- Minority Business Enterprise
- SF Local Business Enterprise
- Disadvantaged Business Enterprise
- Small Business Enterprise
- MBE Certified By COBID (Oregon)

Advantages and innovations

Our advantages:

- **Speed of Production and Prediction:** by adopting the latest technology and innovative initiatives, we transform the construction process, generating efficient solutions and enhancing communication among team members and partners, thereby accelerating production and prediction.
- **Rockstar Team:** we foster a culture of continuous learning, curiosity, and experimentation, attracting professionals seeking growth and motivating our specialists to take risks, test ideas, and exceed client expectations.
- **Expertise:** from 3D laser scanning to general BIM coordination, we deliver high-quality services, viewing emerging challenges as opportunities for success.
- **Sustainability:** committed to improving our communities, we undertake sustainable, cost-effective projects aimed at reducing our carbon footprint, acknowledging the construction industry's impact on global climate change.

Our innovations:

- **Civil Underground BIM for Dry and Wet Utilities:** we provide precise BIM data for dry utilities like cable, fiber optics, and natural gas pipelines, ensuring flawless integration within given topographical areas and minimizing interference with existing infrastructure.
- **Onsite Expertise at Los Angeles International Airport (LAX):** our involvement in the LAX expansion project demonstrates our commitment to detailed shop drawings and the flawless installation of prefabricated materials, enhancing infrastructure with superior design and accessible construction information
- **4D Synchro Scheduling:** utilizing SYNCHRO, we enhance infrastructure construction management by creating and managing projects efficiently, providing seamless coordination from initial design to execution.
- **In-House Plug-In Development:** investing in BIM in-house plug-in development, our full-time software developers focus on R&D to reduce modeling and annotation inefficiencies, automating daily workflows, enhancing output quality, and minimizing errors.
- And more.

Technical specification or expertise sought

Stage of development

Already on the market

Sustainable Development goals

- **Goal 17: Partnerships to achieve the Goal**
- **Goal 8: Decent Work and Economic Growth**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

No IPR applied

IPR Notes

IPR Notes

Partner Sought

Expected role of the partner

We seek partnerships with self-performing trade contractors, general contractors, designers, and owners to leverage advanced BIM and VDC technologies for optimizing project delivery. Through data-driven decision-making, prefabrication strategies, and seamless integration of digital workflows, our partners will benefit from enhanced project efficiency, reduced risks, and improved collaboration throughout the project lifecycle. Together, we aim to deliver high-quality, on-time results while ensuring continuous innovation and success.

Type of partnership

Commercial agreement

Outsourcing agreement

Type and size of the partner

• **SME 50 - 249**

• **SME 11-49**

• **Big company**

Dissemination

Technology keywords

- **02006006 - Construction engineering (design, simulation)**
- **02001 - Design and Modelling / Prototypes**
- **01003001 - Advanced Systems Architecture**
- **01003007 - Computer Technology/Graphics, Meta Computing**
- **02006007 - Management of construction process & life**

Targeted countries

- **World**

Market keywords

- **09007004 - Engineering and consulting services related to construction**
- **09007001 - Construction companies**
- **02006004 - Data processing, analysis and input services**
- **09003001 - Engineering services**
- **09003005 - Consulting services**

Sector groups involved

- **Digital**
- **Construction**