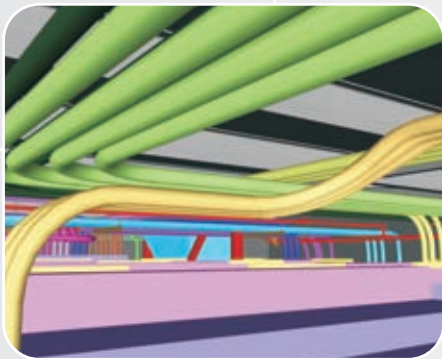


Virtual Design & Construction
Consultancy Services





About Us

We, **Progressive Consultants**, are here to serve you with allegiance and excellence!

Here at Progressive Consultants, we make every effort to empower our clients with latest Virtual Design and Construction (VDC) technologies and integrated practices such as 4D (model based scheduling and planning), 5D (model based cost estimating), MEP/FP services and space coordination, supply chain management, and many others.

We enthusiastically are engineering to offer a virtual, multi-disciplinary, integrated approach to streamline your projects.



Virtual Design and Construction (VDC)

Progressive Consultants is committed to utilizing Virtual Design and Construction (VDC) to execute design, construction, and facilities management of construction projects.

VDC is a virtual, multi-disciplinary, integrated approach to each aspect of construction projects for which collaborative team members share information in a digital format and create sustainable strategies. It replicates actual design and construction process on computer. In addition, VDC is a decision-making tool that integrates people, systems, and business into a collaborative, streamlined process in order to clearly make concise, transparent, optimized, and trusting decisions. All team members remain involved from start to completion.

VDC Consist of

- Product modeling - Building Information Modeling (BIM)
- Organization modeling
- Process modeling



VDC supports our clients to deliver **ECO-FRIENDLY AND SUSTAINABLE CONSTRUCTION** projects in alignment with the Green building rating systems such as LEED, GRIHA - TERI, and Green Star. Moreover, VDC adds visualization power to **LEAN CONSTRUCTION**, leading our clients to model-based planning and project progress checking for successful project execution.





VDC Benefits

Progressive Consultants with various practical experiences, deploy advanced, integrated methods to deliver the maximized benefits of VDC to our clients.

The primary benefits from implementing VDC are as follows:

- Improve quality of performance of design, construction, and facilities management
- Enable a digital representation of product, organization, and process aspects of a project through parametric and interconnected modeling
- Facilitate a collaborative project environment as a digital information and communication tool among project stakeholders
- Forecast and analyze performance, cost, schedule, constructability, and many others to cut down wastes and inefficiency
- Create a complete set of information for use throughout the lifecycle of a facility



Services

Progressive Consultants provides latest technical and business services to our clients for adopting and implementing VDC technology on various building and infrastructure projects.

VDC services offered by Progressive Consultants will be customized for specific demands of our clients.

VDC Services at Company Level

- Short- and long-term goals setting
- Software and hardware adoption strategies
- Execution protocols development
- Process and procedure standard setting
- Communication channels
- Team setting
- Training

VDC Services to Help Owners in

- Concept evaluation
- Cost and schedule feasibility analysis
- Building performance analysis
- Cost conformance checking
- Facility management

VDC Services to Help Architects & Engineers in

- Early and accurate visualization
- Design feasibility analysis
- Code conformance checking
- Generation of accurate drawing sheets
- Elimination of errors and omissions
- Design intent verification
- Energy efficiency analysis

VDC Services to Help Contractors in

- Site logistic planning
- Constructability review
- Scheduling (4D)
- Cost estimating (5D) and quantity takeoff
- MEP/FP Services & Space coordination
- Prefabrication analysis
- Weekly work planning
- Project progress tracking
- Productivity analysis
- Supply chain management
- Laser scanning



About CEO

Sagar Satish Gandhi, CEO of Progressive Consultants, is an expert in Virtual Design and Construction (VDC). Sagar Gandhi comes with extensive research and practical implementation experience of VDC in USA. He was part of Stanford University's research center, Collaboratory for Research on Global Projects, where he worked with industry thought leaders Prof. Martin Fischer and Prof. Ryan Orr, on researching VDC technology. He worked with DPR Construction, a leading general contractor in USA, as their southern California regional VDC leader. At DPR, Sagar successfully executed VDC concepts on several projects that ranged from \$15 million to \$1.5 billion across Healthcare, Commercial Office, Data Center and Life Science sectors. He has also been involved in Indian construction industry for last eight years. Sagar holds a Masters in Construction Engineering and Management from Stanford University and Bachelors in Civil Engineering from Maharashtra Institute of Technology, Pune University. He is a VDC certified professional by Center for Integrated Facility Engineering, Stanford University and LEED Accredited Professional.

VISION

Incorporating and Institutionalizing Virtual Design and Construction

in Every Design, Construction, and Facility Management Project



Virtual Design & Construction Consultancy Services

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