

# VDC | BIM Services



Local Expertise. Reliable Results







**A BIM Company, providing  
constructible solutions**







# Driving Project Success with BIM and VDC

We are a company that specializes in Virtual Design and Construction (VDC) methodology and Building Information Modeling (BIM). From BIM management to Constructible Models, we provide real-world solutions to make your projects a reality.

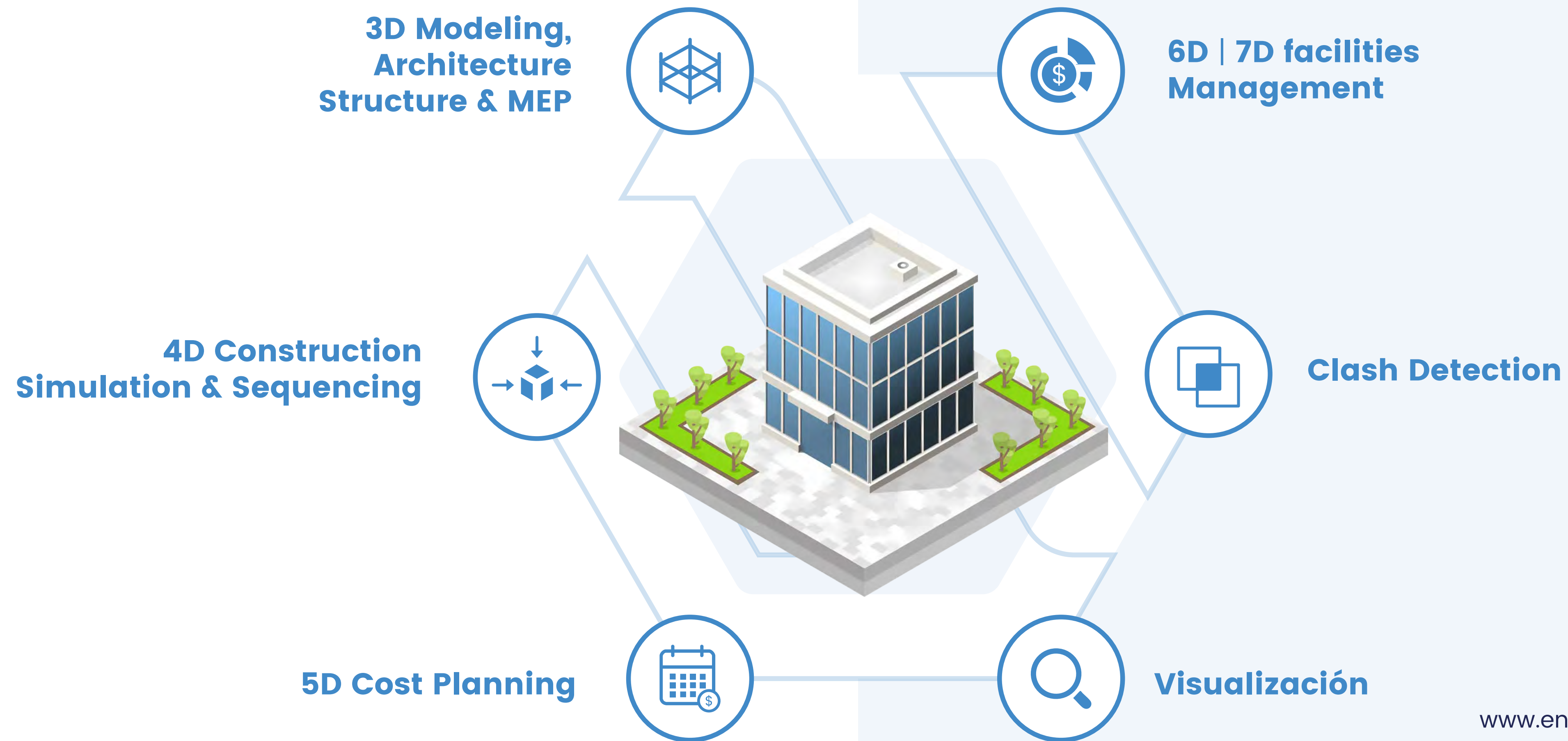
We streamline processes for Contractors, Architects, Engineers, and Owners by ensuring designs are ready for procurement, fabrication, and construction.

Our BIM-driven approach enables rapid design iteration, accurate documentation, and validated design decisions, saving you time and resources while enhancing project outcomes.





## Real-World BIM Solutions for Better Project Results





01

# VDC | BIM SERVICES

To Transform your Vision into Reality





## Achieve project success with Comprehensive BIM | VDC Services

We provide comprehensive BIM | VDC support to improve project efficiency and reduce costs. By implementing a full BIM ecosystem, we streamline workflows to keep your projects on schedule.

Using BIM | VDC we support the project's success by delivering accurate estimates, addressing issues among different trades, reducing material waste, and creating constructible models.







## 01.01

### BIM Modeling

We offer comprehensive modeling services across multiple platforms, supporting every stage of your project—from the early design phase for informed decision-making and accurate estimation to delivering fabrication-ready LOD-400 models.

#### Our modeling services include:

- Structural and miscellaneous Steel Detailing
- Cast in Place Modeling and Detailing
- Rebar Modeling and Detailing
- Mass Timber Modeling and Detailing
- Process Piping
- MEP





01.02

## VDC | BIM Management

Endproc goes beyond authoring BIM models, we can also take on the role of BIM Manager, overseeing every phase of your project from design and construction to the handover for operations. By working with the Virtual Design and Construction (VDC) methodology, we ensure seamless coordination and enhanced project efficiencies.

### Our BIM Management services include:

- Create and maintain the BIM Execution Plan
- Conduct Coordination meetings among the different trades
- Perform Constructability reviews
- Control Project documentation





02

## BIM Deliverables

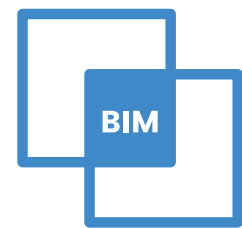
To streamline your Construction Projects





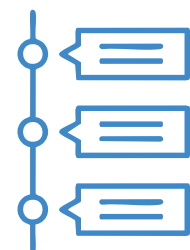
### Design Visualization

Teams can visualize and evaluate designs in a virtual space before construction begins, enabling better decision-making on spatial relationships, aesthetics, and functionality.



### Clash Detection and Coordination

BIM makes it possible to identify conflicts between building systems (e.g., architectural, structural, mechanical) early, reducing rework, costs, and delays.



### Construction Simulation and Sequencing (4D)

Linking BIM models with schedules and costs, it is possible to provide a visual construction timeline, improving resource allocation and project planning.



### Quantity Takeoff and Cost Estimation (5D)

Extracting material quantities from BIM models ensures faster, more precise cost estimations and budgeting.



### As-Built Documentation

VDC accurately records construction changes for reliable references during maintenance or future modifications.

These streamlined applications demonstrate how VDC boosts efficiency, coordination, and quality across all project phases in the AEC industry.





03

# Discover How BIM and VDC Work Together To Transform Your Projects



## BIM adds Value at Every Project Phase

### From Design to Operations

We integrate Building Information Modeling (BIM) technology across every phase of the project lifecycle—from initial design and construction through operation and, eventually, sustainable demolition.

Advanced BIM implementation enables precise risk management, significant productivity improvements, accelerated project timelines, and substantial cost savings throughout the duration of a project.



**BIM** adds Value at Every Project Phase



## Prefabrication and Modular Construction

BIM supports off-site component fabrication, reducing waste, enhancing quality control, and accelerating construction timelines.



## Facility Management and Operations

BIM-integrated VDC helps owners manage assets and maintenance efficiently by providing detailed equipment and facility information.





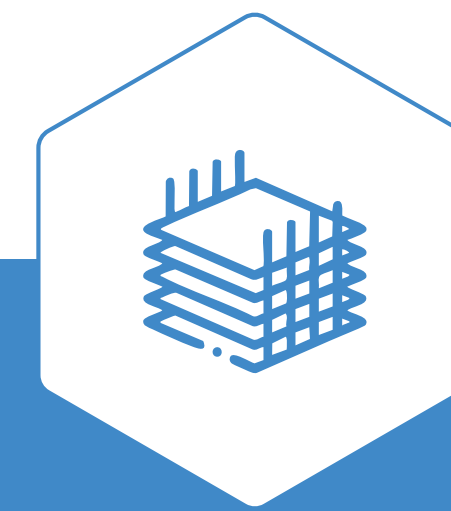
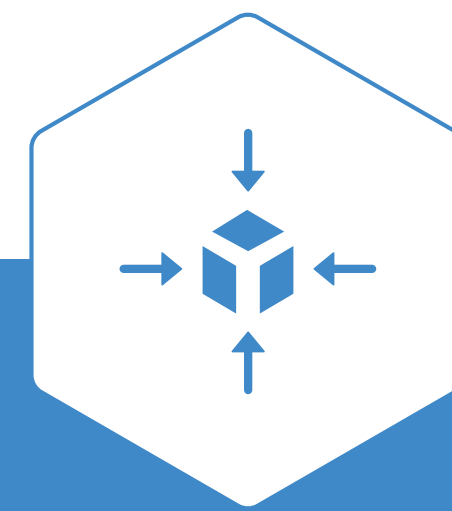
**BIM** adds Value at Every Project Phase

## We use Integrated VDC and BIM workflows

To enhance project delivery

**01**

**Reality Capture.  
Analysis of Existing  
Conditions**



**02**

**Model Creation  
Structural MEP  
Architectural**

**03**

**Model Coordination,  
Review and  
Visualization**

**05**

**5D Cost  
Estimation**

**04**

**4D Construction  
Simulation and  
Scheduling**

**06**

**Field Collaboration  
using Augmented  
Reality**





## We work with VDC Methodology for Project Efficiency

VDC methodology brings together key stakeholders – architects, engineers, contractors, specialty trades, and owners – through a collaborative workflow.

Using tools like 3D modeling software (Revit, Tekla), and cloud-based platforms (Trimble Connect, Procore, etc.), VDC ensures real-time communication and streamlined project coordination

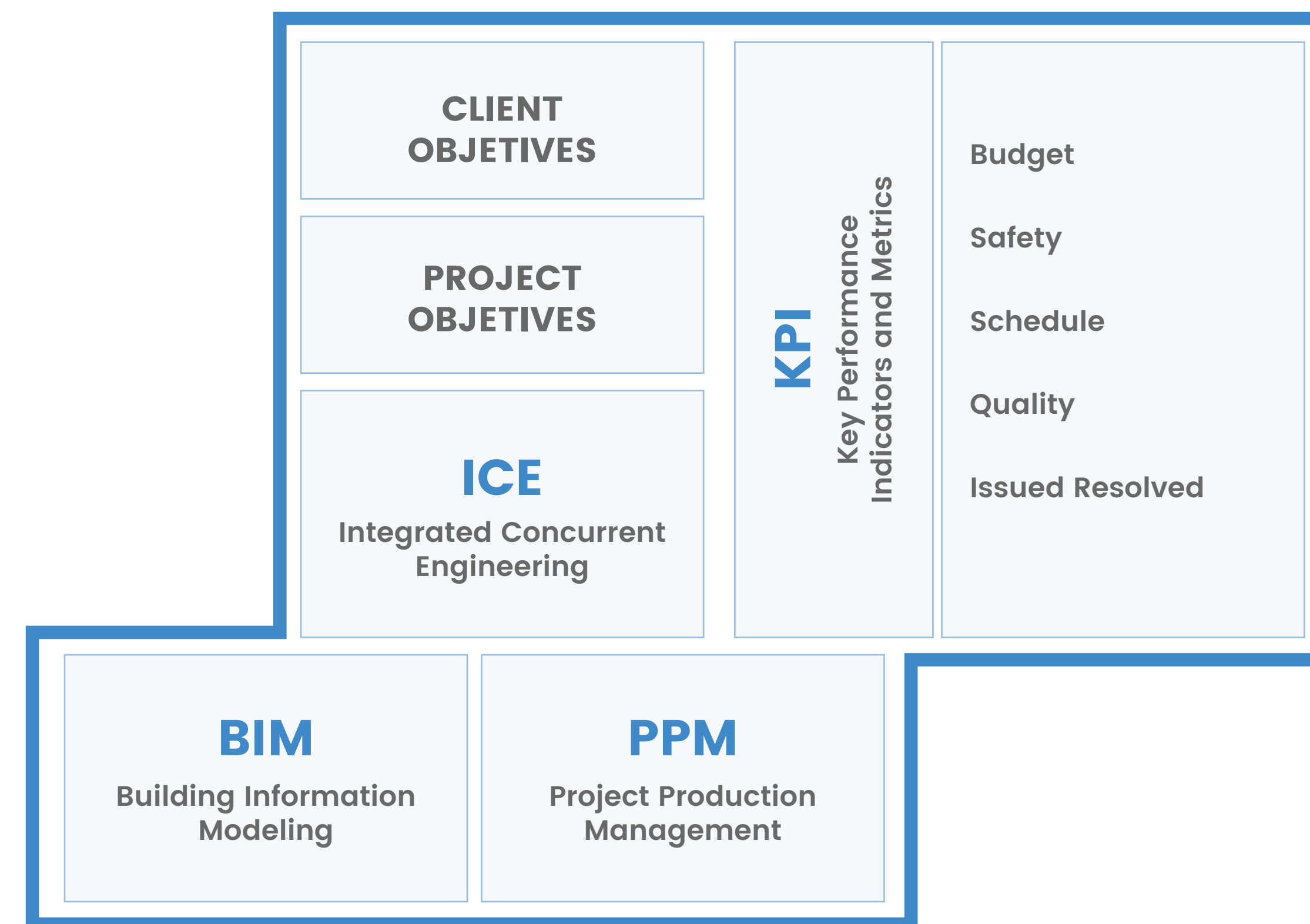


Image Source: Researchgate





**BIM** adds Value at Every Project Phase

## Integrated Concurrent Engineering (ICE)

ICE sessions bring together multidisciplinary teams, (engineers, contractors, and specialty trades). By encouraging shared decision-making, real-time information exchange, and continuous feedback, ICE enhances collaboration, reduces conflicts, and improves overall project outcomes.







**BIM** adds Value at Every Project Phase



## Project Production Management (PPM)

Utilizing methods like Lean Construction and the Last Planner System, PPM ensures detailed planning, scheduling, and control of activities. Continuous monitoring and improvement of processes to ensure smooth project's execution.





**BIM** adds Value at Every Project Phase

**BIM**

## Building Information Modeling (BIM)

A detailed 3D digital model is used to represent a project's physical and functional characteristics. This model integrates data such as geometry, materials, and quantities, supporting informed decision-making.

By enabling visualization, clash detection, and design optimization, BIM improves collaboration, coordination, and efficiency across the project lifecycle.





**BIM** adds Value at Every Project Phase

## Key Performance Indicators – Metrics

Metrics provide measurable indicators to track performance, progress, and areas for improvement. These Key Performance Indicators (KPIs) include cost, schedule, quality, safety, and sustainability. Metrics ensure teams stay on track with objectives.

**KPI**





# Endproc

## Building Smarter Solutions

We are a company that specializes in delivering services based on Virtual Design and Construction (VDC) methodology. Through automation and digital transformation, we help our clients to achieve higher efficiency in their projects.





# Endproc

Building smarter solutions

[www.endproc.com](http://www.endproc.com)