Integrated Project Delivery with BIM

Integrated project delivery (IPD) is the emerging standard for early collaboration and effective decision making in the building industry today. Incorporating a building information modeling (BIM) toolset into any aspect of the IPD process enables project teams to use information in an integrated environment, increasing efficiency and enabling new ways of working that inspire more creative and sustainable designs.



The project team comes together at the earliest stage, improving accuracy of decisions. The rest of the process becomes more predictable, thus avoiding costly redesign work.

Owner: "Careful

olanning will reduce

waste and save

noney and time."

Architect: "We have a

ommon understanding of design intent among the

team. And, we can more

effectively influence the sustainability performance

of our designs."

Collaboration between the architect, Precise virtual models are automatically contractor, and engineers allows for better part of the design, helping to reduce decision making, helping to improve quality uncertainty in documents and interferences during construction. and mitigate risk.



Because of careful early planning, team members are able to use materials efficiently, creating less waste. Change orders are minimized, and no operational revenue is lost. Construction can be completed on schedule and on budget.



Owners can enjoy better quality assurance on their completed project and are provided with a complete virtual building for operational and renovation purposes.

Owner: "My building

project was finished on

time and on budget."

OWN / OPERATE

CONCEPTUALIZATION

Architect: "Input from the

extended project team

nables me to make better

design decisions early in

the process."

DESIGN

IMPLEMENTATION DOCS

MEP Engineer: "There are no

conflicts in the field because

we chose the best systems and sizing of the equipment

during design."

Structural Engineer: "We

were able to make the necessary analysis to a single

model, saving us time and allowing us to fast track the structural design process and documentation."

Fabricator: "Working with just

one model to produce steel

fabrication shop-drawings

allowed us to begin

fabrication early.

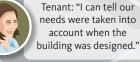


CONSTRUCTION

Contractor: "We've had zero interference on this project. RFI's were reduced significantly. I've never had construction go so smoothly."









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Autodesk® Design Review

Project Management

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Institute building

information modeling.

in design meetings,

including contractors.



Facilitate collaboration.



Set up contract mechanisms that enable open collaboration.



Minimize paper-based processes, and collaborate digitally.



Check for and manage interferences between trades, digitally.



Create a culture of trust and sharing.



Communicate design ideas using 3D visualization to keep everyone aligned.



Revit® Architecture Revit® Structure Revit® MEP AutoCAD® Civil 3D® Autodesk® 3ds Max® Design Autodesk® Maya® Autodesk® Inventor™ Autodesk® Impression Autodesk Collaborative Project Management

Civil Engineer: "I can help with site selection so we n't run into environmental issues later."

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Project Management

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Project Management





Contractor: "I can foresee problems and

reduce future delays."



