

# Quantifying Savings and Calculating ROI of Cloud-Based BIM Collaboration

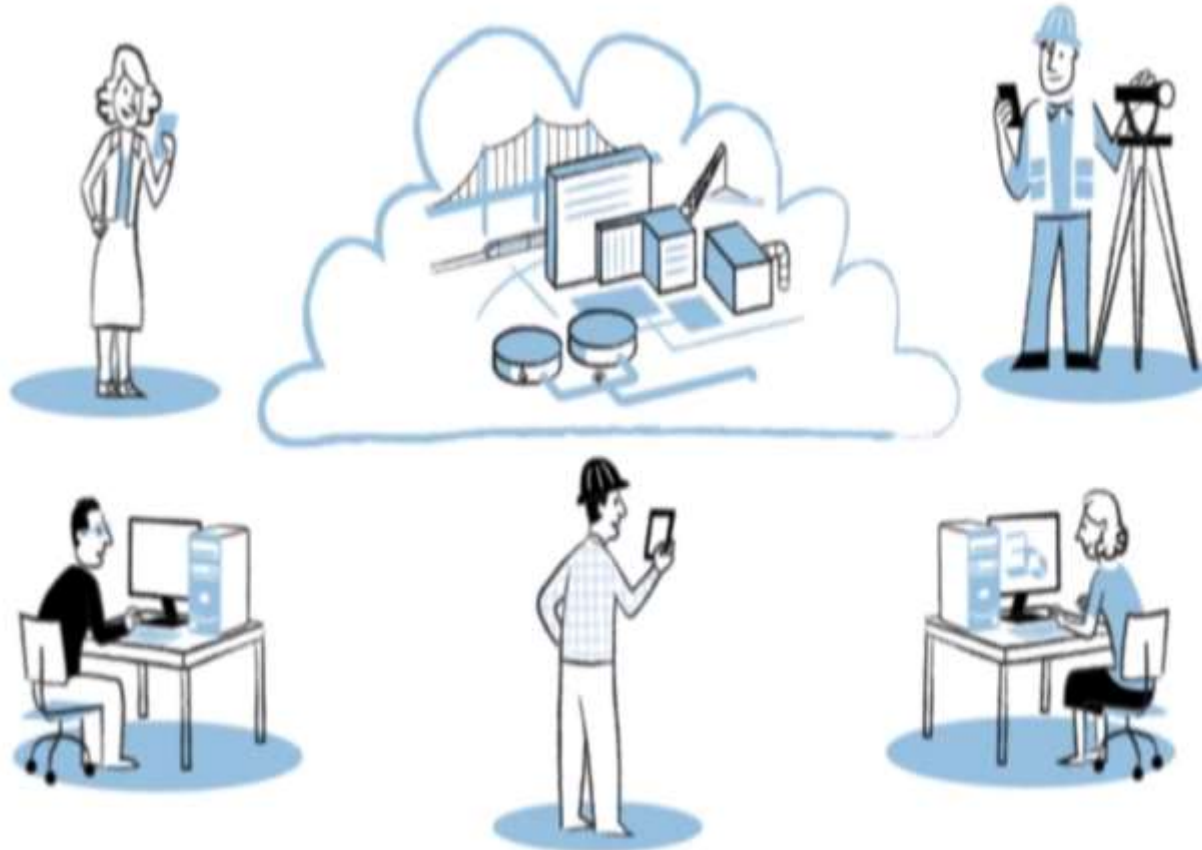
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- **Introduction (15 min)**
- Interactive Discussion: Populating a hypothetical **ROI calculator**
  - Project Data input
  - Productivity Improvements
  - Schedule Improvements
  - Quality Improvements
- **Conclusions and Wrap Up (5 min)**

How to **measure** and **maximize** benefits of using cloud based BIM tools?

- Explain how BIM in the cloud improves productivity, schedule & quality
- Use project data to quantify the benefits and cost savings of these tools
- Evaluate ROI and build business cases supported by real metrics
- Track metrics to maximize benefits and improve project performance

## Introduction



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**Cloud-based BIM tools** give the project team access to accurate, up-to date information, wherever they are, whenever they need it

# BIM in the cloud

Plan – Preconstruction < > Perform - Construction

Design  
Review



Planning  
and  
Scheduling



Field  
Management



Layout &  
Verification



NEW

Task description	Benchmark	Improvement
1 Inspecting quality of construction on site	15	20
2 Walking site with owner/inspector/designer	10	12
3 Documenting new issues and creating notifications	8	4
4 Following up on status of existing issues	3	1
5 Conducting meetings with subcontractors regarding issues	5	2.5
6 Coordinating with subcontractors for next week's activities	4	6.5
7 Meeting with the construction management team	2	2
8 Updating information in the BIM	2	1

9.5 hours reduction in time spent on **non-value adding** activities



- Elimination of bottlenecks and non-value adding work
- Tasks can finish and start earlier

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