

Preconstruction & Design

- Project visualization
- Clash detection
- Scheduling
- Estimating

Construction

- Prefabrication to reduce waste
- Update model to account for changes

Closeout

- Create accurate as-builts
- Improve turnover package

Operations & Maintenance

- Accurately and efficiently manage facilities
- Monitor building performance data

BIM was the 2nd most requested skill, behind field experience, as construction firms desire from their future workforce.
(Source: JB Knowledge 2017)

But...

27% of firms have a dedicated BIM/VDC department.
(Source: JB Knowledge 2017)

28% of companies do not build on projects involving BIM.
(Source: JB Knowledge 2017)

59% of companies state that their workforce doesn't have the skills needed to work with BIM.
(Source: CIOB)

KEY WAYS COMPANIES CAN GET MORE OUT OF BIM

1 Develop your BIM roadmap

2 Invest more in training

3 Prioritize mobile solutions to connect the field

4 Leverage BIM in facility management

CAD

Drawings, lines, shapes



LOW COLLABORATION

LEVEL 0

BIM DEVELOPMENT TIMELINE

BIM level development linked to technological progress

1990

CAD

LEVEL 0

LEVEL 0 BIM

(CAD) Computer Aided Design is used to create drawings. Paper and prints are shared with the team.

FUNCTIONAL DIAGRAM OF ONE BLOCK

