

“The parametric building modeling technology of Revit...has revitalized the architectural profession and brought the fun back into design. Those who have persevered in their learning and use of Revit have come to love the application and find it anathema to go back to traditional CAD. For them, the practice of architecture will never be the same again.”

-- Dr. Lachmi Khemlani
Industry analyst, author, and consultant

Autodesk Revit: Implementation in Practice

Autodesk is pleased to offer industry professionals an important industry report, **Autodesk Revit: Implementation in Practice**, prepared by noted industry analyst, author, and consultant, Dr. Lachmi Khemlani. In this report, based on survey data and personal interviews, Dr. Khemlani takes a hard look at the process changes, benefits, and challenges being experienced by firms implementing building information modeling with Autodesk Revit today.

Pulling information from personal interviews as well as a user survey conducted by Autodesk, Dr. Khemlani finds that successfully implementing Autodesk Revit requires new ways of thinking and working. She clearly delineates the many challenges involved, but for those who are taking on this new way of working the benefits are remarkable:

- Users report that Revit has helped their firm to increase the level of service, quality, and performance that they are able to provide to their clients.
- Over half the customers surveyed experienced productivity gains of over 50% using Revit; 17% experienced *productivity gains of over 100%*.

One 300-person firm reports that several projects done on Revit were completed with half the budgeted staff and in half the budgeted time. In addition to the time savings and reduced errors achieved by the automatic coordination capability of Revit, another firm lauds the near-elimination of traditional CAD standards, saving time and frustration for both the project designers and IT support.

The study documents how firms start with pilot projects to evaluate and learn the software and workflow, and then rapidly moving to firm-wide implementation, often in less than a year. Over half of the survey respondents are currently using Revit as their primary or exclusive design and documentation tool.

The main strengths of Revit collected from the firms in the study include:

- Ease of use relative to CAD and other building information modeling applications
- Coordination of documents, and instant update of all documents, schedules, and views when any change is made to the model
- Automation of tasks related to drawing setup and coordination, freeing time for design
- Immediate and accurate feedback for design decisions
- Fast and convenient generation of design presentations for client approvals
- Better communication with clients and builders
- 2D and 3D interoperability with AutoCAD for hybrid workflows

The unvarnished reporting and real-world case studies and data used to develop this report will be valuable to anyone looking to use building information modeling and Autodesk Revit to improve their business. Anyone currently implementing Autodesk Revit or considering such an implementation will want to make sure they incorporate the material in this 19-page report into their evaluation and planning process.