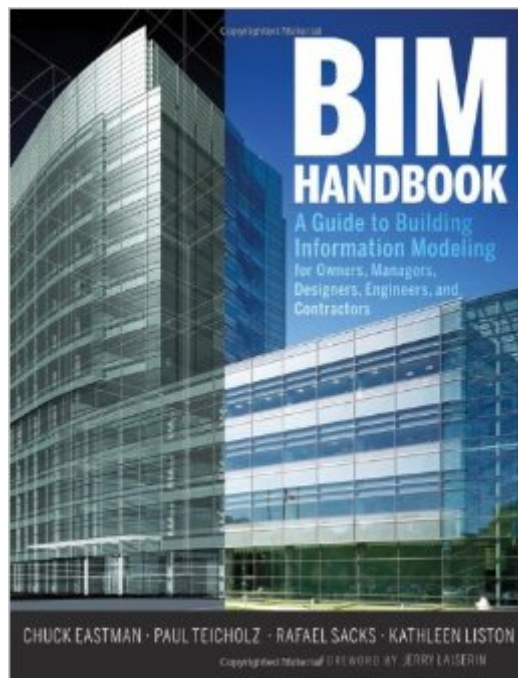


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BIM Handbook: A Guide To Building Information Modeling For Owners, Managers, Designers, Engineers And Contractors



Synopsis

Discover BIM: A better way to build better buildings. Building Information Modeling (BIM) is a new approach to design, construction, and facility management in which a digital representation of the building process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. The Handbook: Introduces Building Information Modeling and the technologies that support it Reviews BIM and its related technologies, in particular parametric and object-oriented modeling, its potential benefits, its costs, and needed infrastructure Explains how designing, constructing, and operating buildings with BIM differs from pursuing the same activities in the traditional way using drawings, whether paper or electronic Discusses the present and future influences of BIM on regulatory agencies; legal practice associated with the building industry; and manufacturers of building products Presents a rich set of BIM case studies and describes various BIM tools and technologies Shows how specific disciplines—owners, designers, contractors, and fabricators—can adopt and implement BIM in their companies Explores BIM's current and future impact on industry and society Painting a colorful and thorough picture of the state of the art in Building Information Modeling, the BIM Handbook guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to build better buildings, that consume fewer materials, and require less time, labor, and capital resources.

Book Information

Hardcover: 504 pages

Publisher: Wiley; 1 edition (March 3, 2008)

Language: English

ISBN-10: 0470185287

ISBN-13: 978-0470185285

Product Dimensions: 7.8 x 1.3 x 9.4 inches

Shipping Weight: 2.3 pounds

Average Customer Review: 4.4 out of 5 stars Â Â See all reviews Â (21 customer reviews)

Best Sellers Rank: #1,236,164 in Books (See Top 100 in Books) #149 in Â Books > Business &

Money > Processes & Infrastructure > Facility Management #287 inÂ Books > Computers & Technology > Computer Science > Computer Simulation #621 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

Customer Reviews

In the BIM Handbook (A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors), a remarkably knowledgeable and credentialed team of authors has provided a sound, thoroughly researched and comprehensible review of the technology, the market drivers and the business transformation issues surrounding Building Information Modeling (BIM). This book is a must-read for anyone involved in the design, construction or operation of buildings who needs to understand and apply effectively the emerging BIM tools and techniques. University professors of architecture, engineering and construction will find this an excellent text for introducing BIM to the emerging generation of design and construction professionals. The concepts underlying BIM have been evolving for a quarter century, as the book makes clear. In the past few years, however, market drivers and technology advances have converged to produce software tools that have an extraordinary positive impact on the design and construction of buildings. In the industry scramble to take advantage of this potential, there has been much confusion about what BIM is, how to use it and who benefits from it. The BIM Handbook tackles all three questions. The Second Edition (2011) has introduced important refinements, updates and new information. Every chapter has been updated, but two are of special note. Chapter 2, which addresses BIM Design Tools and Parametric Modeling, has been expanded to include a very complete yet palatable explanation of how building information modeling software works. The explanation is designed to assist professionals in understanding BIM software performance issues and in making intelligent choices when selecting that software.

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