

1. Record Nr.	UNINA9910139435203321
Autore	Smith Dana K
Titolo	Building information modeling [[electronic resource]] : a strategic implementation guide for architects, engineers, constructors, and real estate asset managers / / Dana K. Smith, Michael Tardif
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2009
ISBN	1-280-59244-3 9786613622273 1-118-39922-6 1-118-39923-4 0-470-43284-5
Descrizione fisica	1 online resource (210 p.)
Altri autori (Persone)	TardifMichael
Disciplina	692
Soggetti	Building information modeling Buildings - Computer-aided design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Building Information Modeling: A Strategic Implementation Guide for Architects, Engineers, Constructors, and Real Estate Asset Managers; Contents; Foreword; Introduction; Chapter 1: Building Industry Challenges and Opportunities; Global Trends in Supply and Demand; Benchmarking Construction Productivity; Construction Productivity Metrics; Benchmarking Building Performance; Converting Inefficiency and Waste into Profit; Benchmarking Waste; Identifying Business Opportunities; Emerging Business Strategies; Choosing the Right Tools, Deploying the Right Tool Suites; The BIM Value Proposition Process EngineeringThinking Like an Owner; Building Performance Metrics; New Metrics for Real Property Valuation; Chapter 2: BIM Implementation Strategies; Leaving the CAD Era Behind; A Systems Approach to BIM Implementation; Avoiding Ideological Pitfalls; Aligning a BIM Implementation Strategy with Technology Trends; Assessing Fundamental Risks; Fostering a Culture of Information Stewardship; Managing Culture Change; Using Technology to Build Trust and Mitigate Risk; Maintaining Data Exchange Capabilities; Assessing Team

Capabilities; Managing Expectations
Measuring Progress toward Strategic Goals
Toward a New Business Paradigm; Chapter 3: Business Process Reform; Managing Innovation Risk; The Imperative of Change; Innovation Management Strategies; The "I" in BIM; Business Reform Strategies; Industry-wide Reform Efforts; Industry Standards and Innovation; The Industry Standards Landscape; Aligning Business Strategies with Industry Standards; Integrating Information Gathering into the Business Process; Leadership and Vision; Engaging Business Partners; Business Process Modeling; Business Process Modeling Case Study; Managing Change
Populating the Building Information Model
Chapter 4: BIM-Based Enterprise Workflow; BIM Implementation Fundamentals; Sidebar: Integrating Data Collection with Business Processes; Business Operations and BIM; Marketing/Business Development; Human Resources; Finance; Information Technology; Operations; Workflow Visualization; Chapter 5: The Building Life Cycle; Life Cycle Views of Building Information; The Feasibility, Planning, and Development View; The Design and Construction View; The Operations and Maintenance View; The Ownership and Asset Management View
Chapter 6: Building Information Exchange Challenges
Sidebar: Data, Information, Knowledge, and Wisdom; Information Management; Sidebar: Case Study: Information Management; Information Provenance; Information Maturity; Sidebar: The Wayback Machine: Archiving the Web; Information Content Decay; Information Electronic Degradation; Information Integrity and Continuity; Information Transparency, Accessibility, and Security; Information Flow; The Life Cycle of Information; Stakeholder Views; Interoperability; Chapter 7: Building Information Exchange Requirements; The Big Picture
Information Delivery Manuals

Sommario/riassunto

The optimal approach to design, build, operate, and maintain buildings
With this strategic guide to building information modeling (BIM), you'll learn how to implement this new technology as part of a comprehensive systems approach to the design, construction, management, operation, maintenance, and use of buildings. The authors, among the leading experts and pioneers in BIM, show you how BIM supports more streamlined, integrated, and efficient business processes throughout the life cycle of buildings, from their initial conception through their eventual retirement or reuse. The resu
