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Nota di contenuto	BIM for Facility Managers; Copyright; Contents; Preface; Why A Book about BIM for Facility Managers; Who Is This Book For and What Is In It; How to Use This Book; Acknowledgements; Sponsors; Chapter Abstracts; Chapter 1: Introduction; Chapter 2: BIM Technology for FM; Chapter 3: Owner BIM for FM Guidelines; Chapter 4: Legal Issues When Considering BIM for Facilities Management; Chapter 5: Using COBie; Chapter 6: Case Studies; Appendix 1: Glossary of Acronyms used in the Book; Appendix 2: List of Software Vendors Mentioned in the Book; Chapter 1: Introduction; Management Summary Problems with Current FM PracticeHow BIM FM Integration Can Address Current Problems; Needs for Graphics and Data Varies over the Life Cycle; Need for Interoperability between Systems; Owner Benefits of BIM FM Integration; Streamlines Handover and More Effective Use of Data; Benefits during the Life of the Building; Integrated System Can Be Used to Plan Enhancements to Building; Calculating ROI in BIM FM Integration; Chapter 2: BIM Technology for FM; Building Information Modeling (BIM); BIM for Facility Management (FM); Standards and Data Exchange; Challenges of BIM for FM FM BIM in Practice: Healthcare BIM Consortium's InitiativesEmerging Technologies and BIM; Cloud Computing; Mobile Computing for FM; Mobile and RFID Technologies; Mobile and Cloud Technologies;

Augmented Reality; Sensor Data; BIM Component Data; Standards; References; Chapter 3: Owner BIM for FM Guidelines; Introduction; GSA Guidelines; BIM and FM-Overall Vision and Objectives for Using BIM for Facility Management; Tier 1; Tier 2; Tier 3; Implementation Guidance to GSA Associates and Consultants; Modeling Requirements-a Record BIM; High-Level Modeling Requirements; BIM Authoring Applications BIM Model StructureAsset Identification Number; Design, Construction, and Record BIMs; Required BIM Objects and Properties; National Equipment Standard; Organization of Record BIMs; Modeling Precision; Consistent Units and Origin; Prior to Submittal of Record BIMs; Maintaining and Updating As-Built BIMs; COBie Submittals; Minimum COBie Requirements; Creating COBie Deliverables; Technology Requirements; Central Repository of Facility Information; Infrastructure; Security; Functionality; The Vision: Technology Overview; Technology Challenges; Multi-User Update; Management of Updates Multi-User Access and ViewingVendor-Neutral Options; Multiple Paths for Data Transfers; Emerging Technology: Model Servers; Pilot Projects for BIM and FM Using GSA Guidelines; Peter W. Rodino Federal Building Modernization; Bishop Henry Whipple Federal Building; Camden Annex Lifecycle and NASA Projects; Other BIM Guidelines; BIM Planning Guide for Facility Owners; National BIM Standard-United States™ Version 2; Wisconsin BIM Guidelines and Standards for Architects and Engineers, v2; LACCD BIM Standards, v3; Chapter 4: Legal Issues When Considering BIM for Facilities Management; Introduction How Will the Model(s) Be Used?

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Sommario/riassunto

"Addressing building owners, developers, and managers, this text covers how building information management (BIM) complements facility management (FM) systems to achieve significant lifecycle advantages. It includes coverage of the guidelines for BIM in FM as developed by owners such as the General Services Administration, the COBie2 (BIM document standard) used to collect and communicate facility equipment information, and a list of software for BIM/FM integration. It also offers six real-life case studies including the Texas A&M Health Science Center, the USC School of Cinematic Arts, and the State of WI Facilities"--

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