

Mastering Digital Asset Information Management (DAIM): An Advanced Training Course

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Course Overview:

This is course designed to provide professionals with cutting-edge knowledge and skills in managing digital assets using Building Information Modeling BIM. This advanced asset management training focuses on integrating BIM into asset management, maximizing the use of cloud-based BIM systems, and enhancing facility management systems integration. Participants will learn to capture and document asset information using photogrammetry and laser scanning, develop asset information delivery plans, and address FM data requirements for as-built BIM models. By the end of this course, attendees will have a comprehensive understanding of digital asset information management and be equipped to implement BIM-based asset management effectively.

Target Audience:

- Facility Managers
- BIM Coordinators
- Asset Managers
- Maintenance Engineers
- IT Professionals in Asset Management
- Project Managers in Construction and Facilities Management This course addresses skills gaps in digital asset management and career milestones in implementing and optimizing BIM for asset management.

Targeted Organizational Departments:

- Facility Management
- Asset Management
- IT and Data Management
- Project Management
- Maintenance and Operations These departments will benefit from enhanced asset information management and integration with facility management systems.

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Targeted Industries:

- Construction
- Real Estate
- Facilities Management
- Infrastructure Management
- Manufacturing These industries face challenges and regulatory requirements that make digital asset information management crucial for operational efficiency and compliance.

Course Offerings:

By the end of this course, participants will be able to:

- Implement BIM-based asset management.
- Develop and execute asset information delivery plans.
- Utilize photogrammetry and laser scanning for asset documentation.
- Integrate traditional documentation with digital asset management.
- Optimize BIM models for facility management.

Training Methodology:

This course employs a mix of case studies, group work, interactive sessions, and feedback loops to ensure practical understanding and application. Participants will engage in hands-on activities to develop and implement asset information delivery plans, capture asset data using photogrammetry and laser scanning, and integrate BIM models into facility management systems.

Course Toolbox:

- Comprehensive workbooks
- Access to BIM software
- Photogrammetry and laser scanning tools
- Online resources for asset management
- Checklists and templates for BIM and FM integration

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Course Agenda:

Day 1: Introduction to Digital Asset Information Management

- **Topic 1:** Introduction to Digital Asset Information Management
- **Topic 2:** Overview of BIM-based Asset Management
- **Topic 3:** Investigating Existing Asset Management Systems
- **Topic 4:** Identifying Asset Information Requirements
- **Topic 5:** Mapping Asset Information to Open Standards
- **Topic 6:** Developing an Asset Information Delivery Plan
- **Reflection & Review:** Reflection on the importance of asset information and initial steps in implementing BIM-based asset management

Day 2: Capturing and Documenting Asset Information

- **Topic 1:** Reviewing and Evaluating Asset Information
- **Topic 2:** Capturing Information on Existing Assets Lacking Documentation
- **Topic 3:** Photogrammetry Techniques for Asset Documentation
- **Topic 4:** Laser Scanning for Asset Documentation
- **Topic 5:** Traditional Documentation as an Asset Information Source
- **Topic 6:** Adapting BIM Models for Asset Management
- **Reflection & Review:** Review of capturing techniques and integrating traditional and digital documentation methods

Day 3: Advanced BIM Integration for Asset Management

- **Topic 1:** The Modelling Gaps between Architecture, Engineering, Construction, and Facilities Management
- **Topic 2:** Evolution of BIM from Design to Facilities Management
- **Topic 3:** Integration with Facility Management Systems
- **Topic 4:** Organisation of Information within BIM Models
- **Topic 5:** Information Transfer versus Integration
- **Topic 6:** Benefits of Cloud-based BIM and Facility Management Systems
- **Reflection & Review:** Discuss the evolution and integration of BIM with facility management systems

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Day 4: Optimizing Asset Management through BIM

- **Topic 1:** Space as the Basic Organiser of Facilities Data
- **Topic 2:** Assets as a Cornerstone of BIM and Facilities Maintenance
- **Topic 3:** FM Data Requirements for As-built BIM Models
- **Topic 4:** Issues Encountered with BIM Models Supplied for Conversion to BIM-FM
- **Topic 5:** Pre-flight Preparation of BIM for Better Data and Operational Use in the FM System
- **Topic 6:** Maximising BIM for Asset Management
- **Reflection & Review:** Review optimization techniques and address common issues in BIM-FM conversion

Day 5: Practical Applications and Future Trends in DAIM

- **Topic 1:** Case Studies on Successful BIM-based Asset Management Implementations
- **Topic 2:** Hands-on Workshop: Developing an Asset Information Delivery Plan
- **Topic 3:** Interactive Session: Photogrammetry and Laser Scanning in Practice
- **Topic 4:** Panel Discussion: Future Trends in Digital Asset Information Management
- **Topic 5:** Group Work: Solving Common BIM Integration Challenges
- **Topic 6:** Feedback Session: Applying Course Learnings to Real-world Scenarios
- **Reflection & Review:** Reflect on the course learnings, practical applications, and future directions in digital asset information management

How This Course is Different from Other DAIM Courses:

This is course stands out by offering a deep dive into the practical application of BIM in asset management, with a strong focus on current industry challenges and technological advancements. Unlike other courses, it provides hands-on training in photogrammetry and laser scanning, integration with cloud-based systems, and detailed methodologies for developing and executing asset information delivery plans. Participants will leave with actionable skills and tools to implement BIM-based asset management effectively, ensuring their organizations can optimize asset lifecycles and improve operational efficiency.

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Training Course Categories

- Agile PM and Project Management Training Courses
- Agribusiness & Food Security Training Courses
- Aviation Management and Operations Training Courses
- Certified Courses By International Bodies
- Communication and Public Relations Training Courses
- Crisis Management and Business Continuity Training Courses
- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
- Environment & Sustainability Training Courses
- Facilities and Real Estate Training Courses
- Finance and Accounting Training Courses
- Governance, Risk and Compliance Training Courses
- Healthcare Management Training Courses
- Heritage Conservation and Museum Management Training Courses
- Hospitality and Tourism Training Courses
- Human Resources Training and Development Courses
- IT Security Training & IT Training Courses
- Leadership and Management Training Courses
- Legal Training, Procurement and Contracting Courses
- Maintenance Training and Engineering Training Courses
- Marketing, Customer Relations, and Sales Courses
- NGO, Humanitarian and Development Management Training Courses
- Occupational Health, Safety and Security Training Courses
- Oil & Gas Training and Other Technical Courses
- Personal & Self-Development Training Courses

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Training Course Categories

- Quality and Operations Management Training Courses
- Secretarial and Administration Training Courses
- Shipping, Maritime and Ports Training Courses

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