SME Digital Acceleration Series

CitA

Creating a shared vision for a digitally mature **Irish Construction Sector**

Setting the vision

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Emma Hayes

Chartered Architectural Technologist

MSc in BIM Management

25 Years in AEC Industry

Managing Director

DIGITAL BUILT CONSULTANTS LTD

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Digital Built Consultants are a Building Information Modelling and Digital Information Management Consultancy

Who we are

Digital Built Consultants are a Building Information Modelling and Digital Information Management consultancy

What we do

BIM adoption strategy – change management – BIM software training planning – BIM project execution – BIM management – Digital Information Management

Who we work with

- Clients / Owners / Operators
- Project Managers
- Designers / Contractors
- Product Manufacturers

Set up to Succeed

How to implement Building Information Modelling processes strategically

Strategic Approach

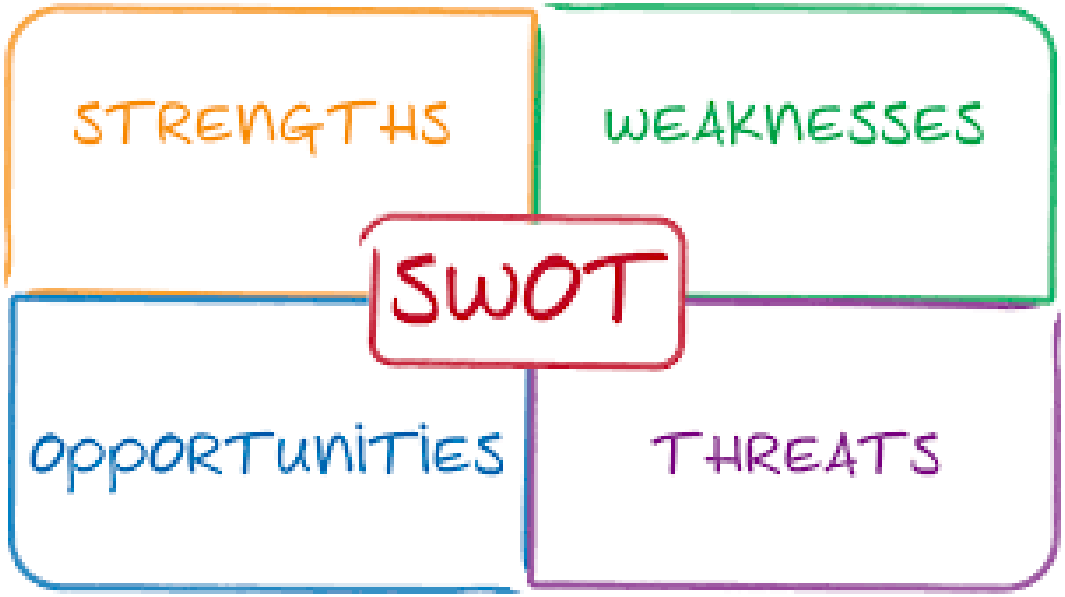
- Set up to Succeed
- Appoint a BIM Consultant
- Step by step approach

Implementation Process - Operational

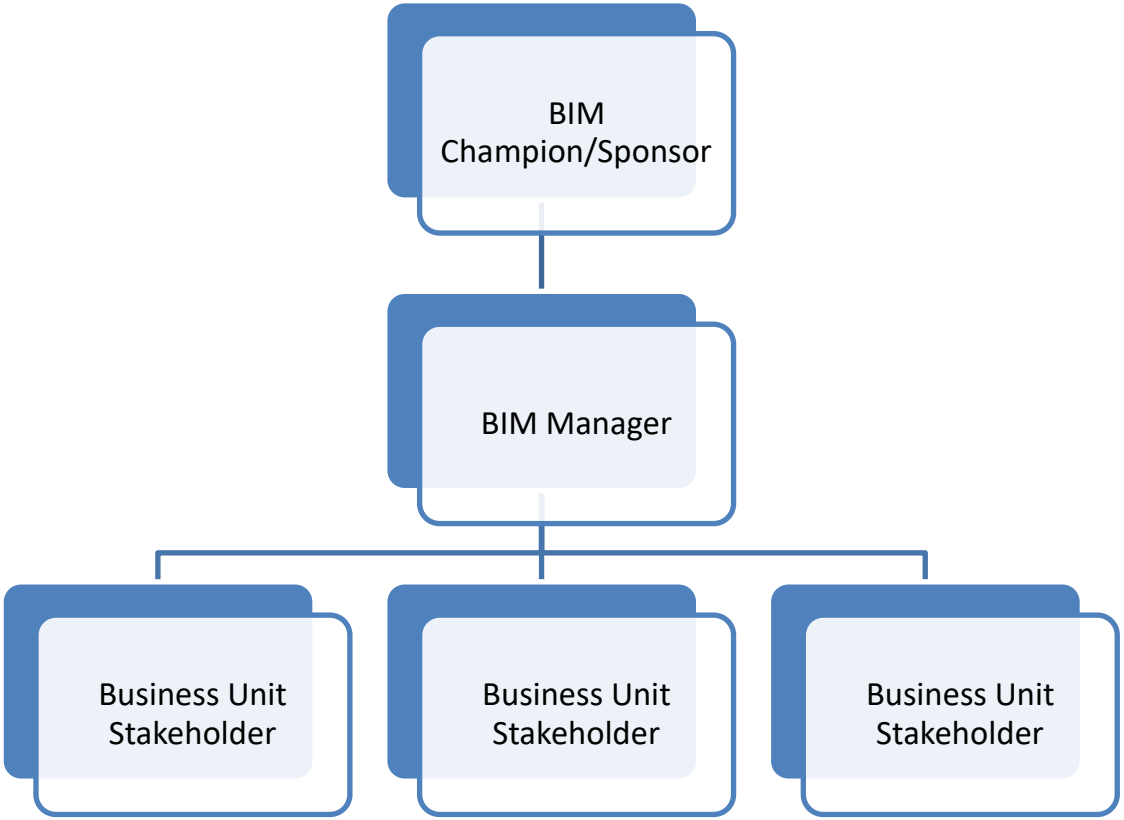
- Vision
- Implementation Team
- Gap Analysis
- Implementation Roadmap
- Challenges
- Implementation Strategy
- Implementation Support
- BIM Certification

Define the Vision

- how does the company see itself in the future
- be realistic
- attainable



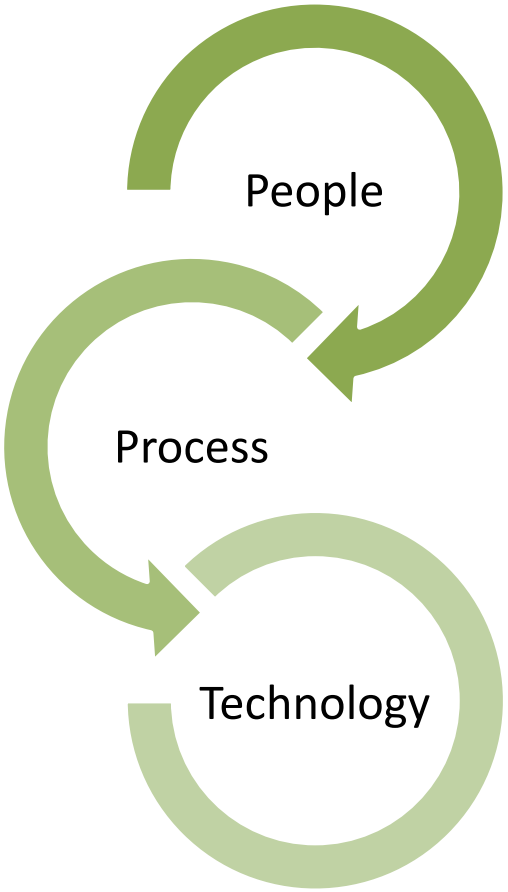
Implementation Team



Gap Analysis

- Define goals for BIM Implementation
- Assess Capability
- Review existing processes and workflows for project execution
- Identify gaps

Access the BIM Maturity



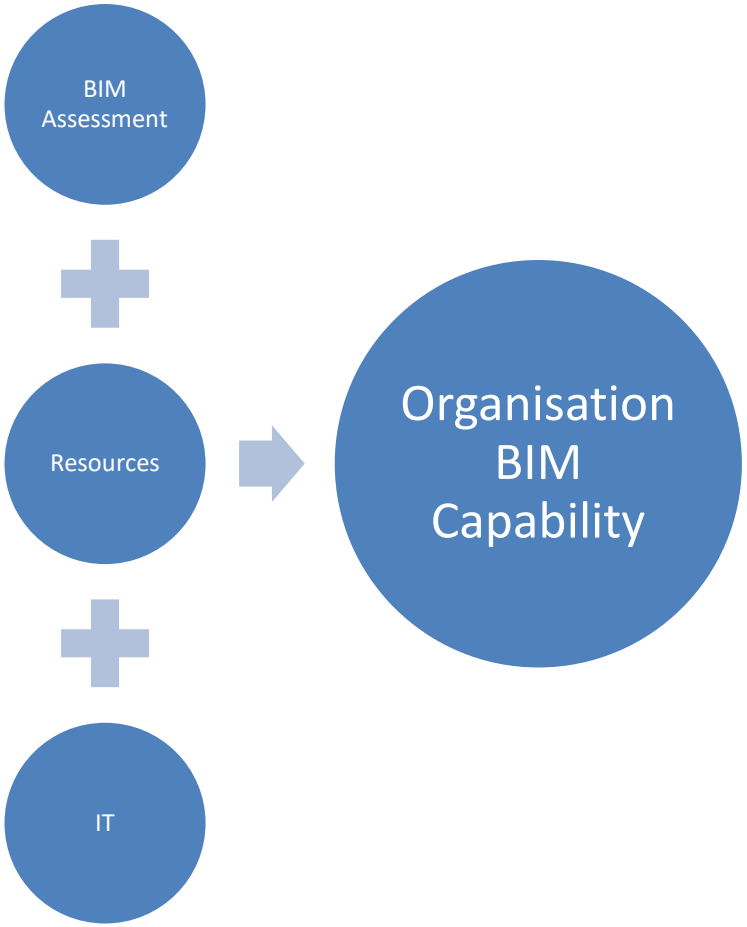
- Skill – BIM tools
- Knowledge – BIM processes/ coordination/ collaboration etc.
- Experience – number and type of projects

Organisational Capability

- Workflows and processes
- Areas of BIM
- Project Experience

- Individual capability

- Hardware/ software
- Security protocols
- Collaboration tools



Goals & Objectives

- To improve and validate constructability
- To coordinate designers and contractor's information
- To reduce overall project time frame
- To reduce the overall project cost and improve predictability
- To reduce the number of RFI's and change orders
- To deliver a better building earlier
- To minimise construction waste
- To create an as-built model for better Facilities Management post construction
- To improve end user staff training
- To provide better safety

Implementation Roadmap

- Short/ Medium/ Long Term Goals
- Key Performance Indicators to monitor implementation success
- Template documentation
- Training Plan
- Pilot Project

Challenges to Implementation

- Resistance from team – change management
- Lack of skills – resources/ time for upskilling
- Lack of understanding of BIM process
- Resistance to collaboration – adversarial industry
- Perception of BIM projects – bad experiences

BIM Implementation Strategy

BIM Maturity Assessment Workshop

- Business Goals
- Current information production, management, exchange workflows
- Stakeholder Interviews
- Staff Questionnaires

BIM Maturity Gap Analysis

Recommendations

- Draft BIM Implementation Strategy
- Draft BIM Implementation Roadmap – short/medium/long term goals
- Draft BIM Implementation Budget

  Draft BIM Implementation Training Plan

BIM Strategy Feedback Workshop

- Final BIM Implementation Strategy
- Final BIM Implementation Roadmap
- Final BIM Implementation Budget
- Final BIM Training Plan

Key Considerations for Implementation

- Set up for success – good communication
- Adopt a change management strategy
- create an awareness of the need for BIM
- support change and encourage a desire for adoption
- Coaching, practice and time

BIM Implementation Support

ENTERPRISE IRELAND
where innovation means business

BIM Enable

strategic consultancy programme which assists companies to set out a digital roadmap and consider how they can apply BIM within their organisation.

BIM Implement

training and the learning and implementation of BIM across the organisation.

supports knowledge transfer with the aim of equipping staff with the competencies required to successfully manage a BIM project which includes giving them a deeper understanding of supply chain implications

BIM Implementation Support

BIM-Enable

Company Size	Gross cost* (€)	Grant - Funding rate (%)	Grant - Max funding (€)
Small Medium Large	€8,400	N/A	€6,300**

BIM-Implement

Company Size	Gross cost* (€)	Grant - Funding rate (%)	Grant - Max funding (€)
Small	€70,000	45%	€31,500
Medium	€70,000	35%	€24,500
Large	€70,000	25%	€17,500

Build Digital Project

A national centre of excellence

The Build Digital Project will transform the Irish construction and built environment sectors by enabling all stakeholders, particularly SMEs, clients, and suppliers, to develop, maintain, and continuously improve their capabilities as digitally enabled, standards-based, agile, collaborative, and sustainable participants in the delivery of Project Ireland 2040.

BIM Training Support

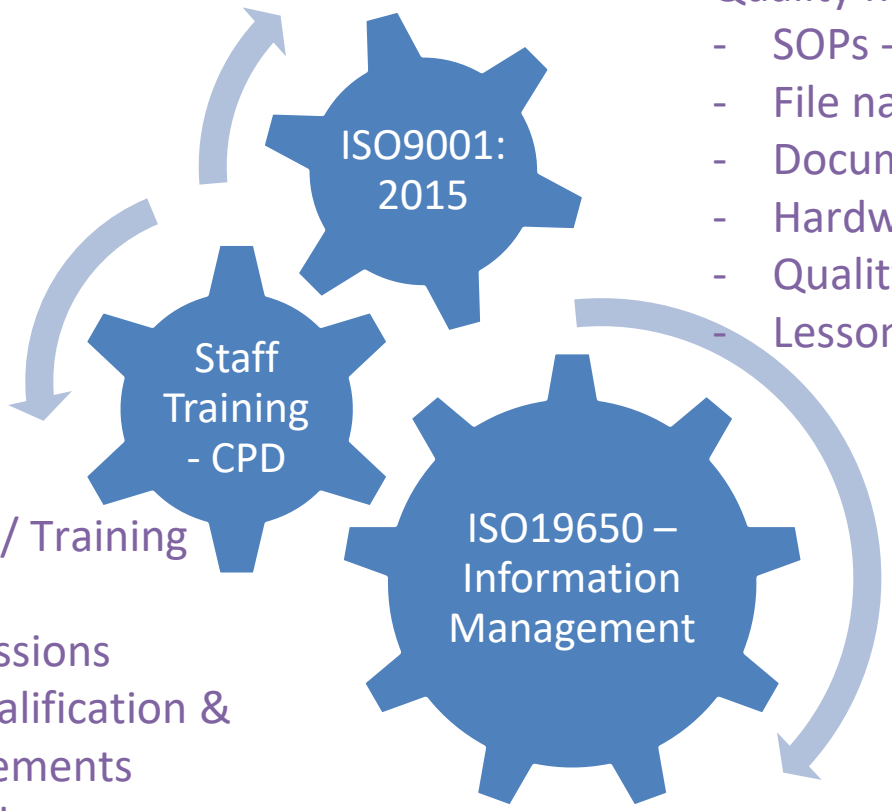
CitA

Skillnet

Construction Professionals

Skillnet

BIM Certification



Quality Management System
- SOPs - Repeatable workflows
- File naming
- Document Templates
- Hardware/software
- Quality Assurance – audits
- Lessons Learned

CPD
- CPD Policy Skills/ Training Matrix
- KPI's for BIM sessions
- Specific BIM Qualification & Training Requirements
- Lessons Learned

Information Management
- Methods & Processes
- Structured Documentation
- Mobilization
- Risk Identification
- Example Projects

BIM Certification

NSAI Agrément

INTERNATIONAL ACCREDITATION FORUM IAF

bsi BIM Design & Construction Capital/Delivery ISO 19650-1 and -2 VERIFIED

BRE GLOBAL CERTIFICATION

ISO 19650-2:2018 BIM
Certification Scheme for Businesses
Cert No: BIM 10049

CERTIFIED LR BIM

BIM ISO 19650:2018

DIGITAL BUILT CONSULTANTS LTD

WWW.DIGITALBUILTCONSULTANTS.COM

E: emma.hayes@digitalbuiltconsultants.com M: +353 (0)87 2235701

Thank you for your participation