Professional Certification

The Value of BIM Certification

Holger de Groot

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About the Speaker

Holger de Groot

CEO and Founding Director of Modmation, Vice Chairperson at buildingSMART Australasia, and certified BIM Manager, providing BIM consulting services, training and support to clients within the AECO industry who need strong BIM capabilities.

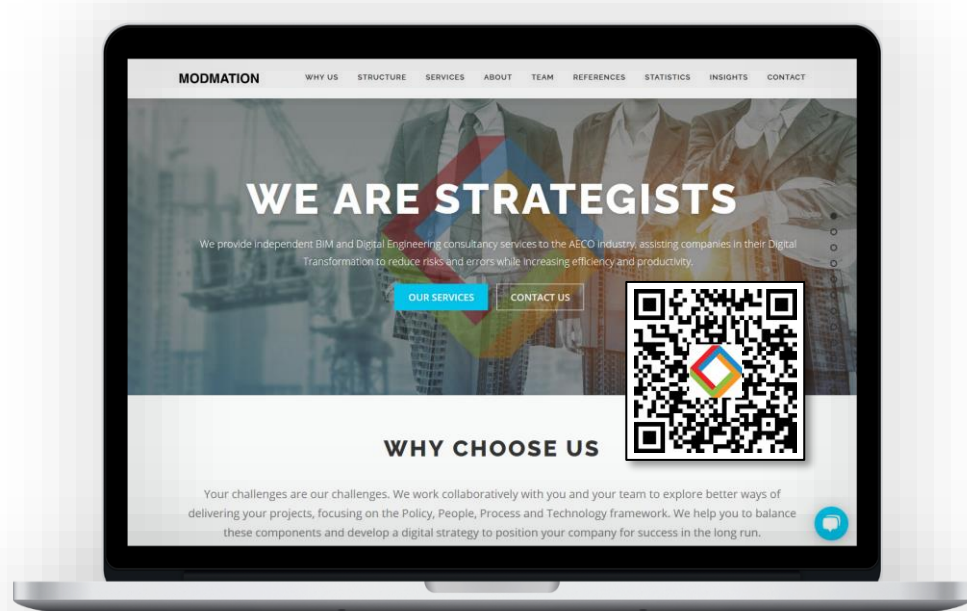https://www.linkedin.com/in/holger-de-groot/

Independent Consultancy

Digital design and construction plays an ever-increasing role in all aspects of today's AECO industry.
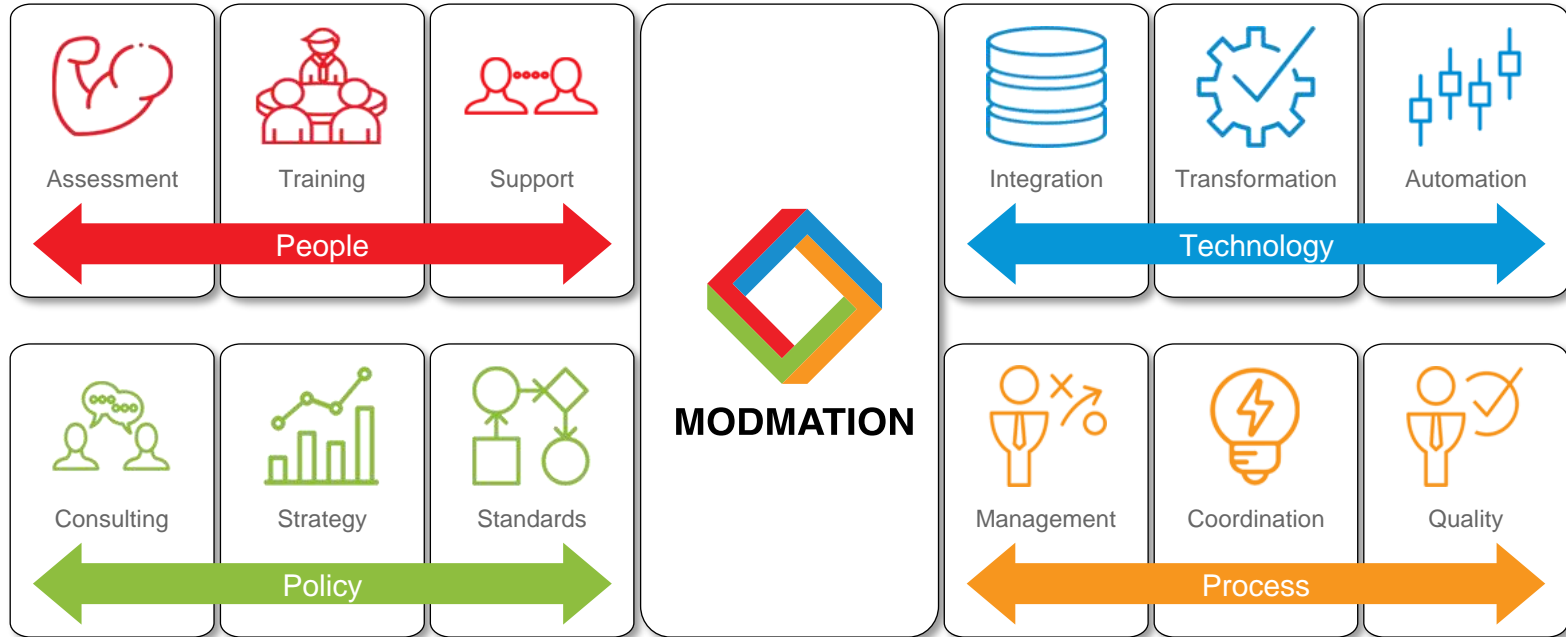
For more than 15 years, our team of certified BIM managers have supported companies in over 7 different countries.

The strategies we use reflect our years of experience figuring out what works best to keep teams efficient.

Independent Consultancy

In this Session

➢ Challenges in BIM Adoption

➢ Why Consider BIM Certification

➢ Importance of BIM Certification

➢ The buildingSMART Professional Certification Program

➢ Advantages of the bSI PCERT - Foundation Program

➢ Rebrand of the bSI PCERT Program Structure

Challenges in BIM Adoption

Lack of Consistency

Building Information Modelling (BIM) has been adopted within the architecture, engineering and construction industry over the last two decades.

There is still a significant amount of confusion in BIM terminology and lack of consistency in defining BIM processes and concepts.
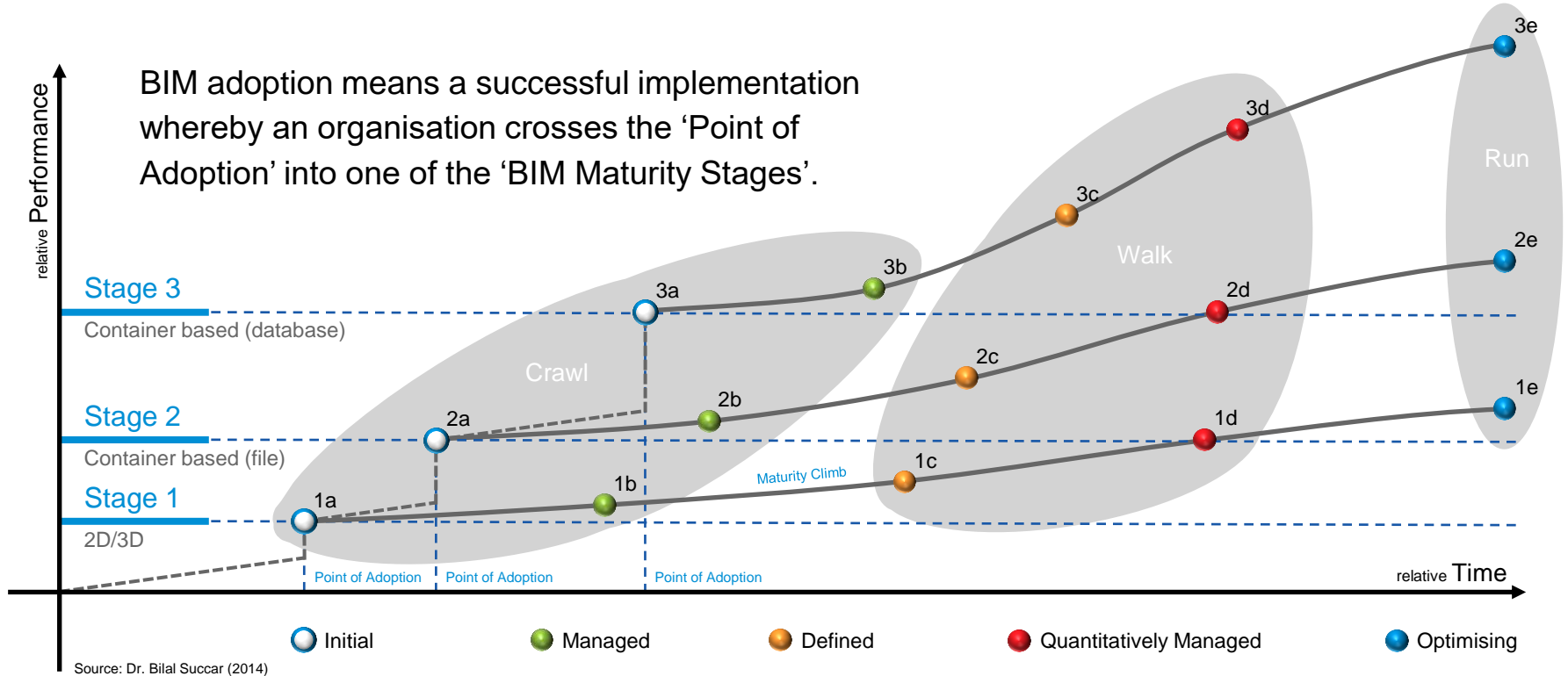
The "BIM and Beyond" report found that a third of respondents held the assumption that by using Autodesk Revit, they were using BIM.

BIM AND BEYOND

DESIGN TECHNOLOGY IN ARCHITECTURE
2021 REPORT

Australian Institute of Architects

Variation in Competence

BIM adoption means a successful implementation whereby an organisation crosses the 'Point of Adoption' into one of the 'BIM Maturity Stages'.

relative Performance

Stage 3
Container based (database)

Stage 2
Container based (file)

Stage 1
2D/3D

Crawl

Walk

Run

Maturity Climb

relative Time

Point of Adoption   Point of Adoption   Point of Adoption

○ Initial   ● Managed   ● Defined   ● Quantitatively Managed   ● Optimising
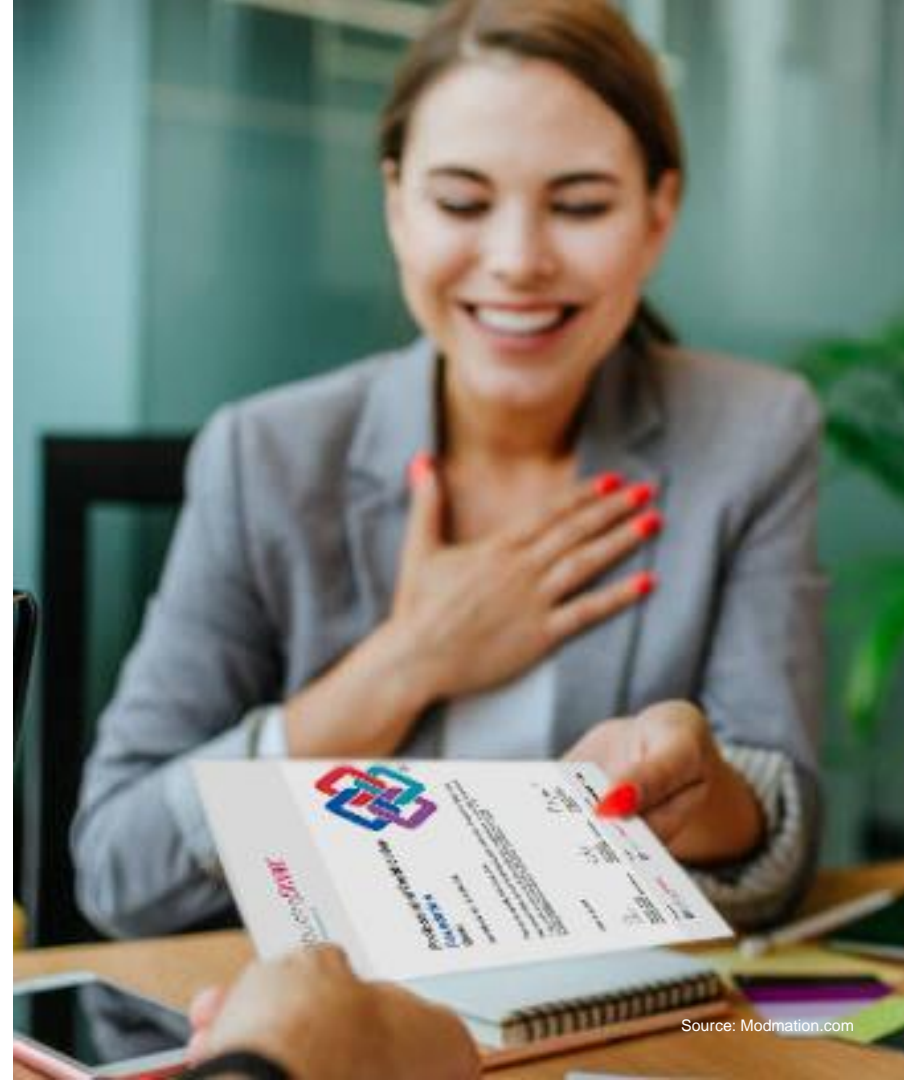
Why Consider BIM Certification?

The Value of BIM Certification

BIM certification is essential because it dispels the common misconception that experience alone is enough to succeed in the industry.

BIM certification helps you to enhance your skills and knowledge in BIM and stay updated with the latest trends and innovations in the field.

BIM certification can help you to stand out from the competition, making you more competitive in securing promotions or winning contracts.

Source: Modmation.com

Reinforcing Credibility

As more projects require BIM capabilities, certification becomes a vital indicator of your credibility and professionalism in utilising BIM.

BIM certification establishes a benchmark for competency assurance and proficiency in using BIM technologies and workflows.

Holding a BIM certification demonstrates that you have met an established industry criteria and have the necessary skills to work effectively with BIM.

Source: iStock Photo

Importance of BIM Certification

A Standardised Benchmark

BIM certification programs are usually designed in alignment with industry-recognised standards and guidelines such as the ISO 19650 series.

By doing that, BIM certification programs can serve as standardised, global benchmarks for knowledge and skills in the BIM field.

As a result, certified individuals possess the capabilities that align with the current industry standards and meet the demands of our industry.

Source: Modmation.com

An Educational Process

A BIM certification is not just a badge but an educational journey that involves engaging in an educational process for up-to-date knowledge.

There are various types of BIM certification available to encourage you to stay updated with the latest BIM standards and practices.

There are also many organisations that offer BIM training courses and certification programs, both online and offline.

Source: Getty Images

Select a Certification Program

Before signing up with a suitable BIM certification course or program, it is important to understand its learning objectives and outcomes.

To prepare effectively, you should carefully review the certification guidelines and requirements, aiming to identify strengths and weaknesses.

Joining online or offline study groups or forums can also be helpful for exchanging ideas, tips, and feedback with other students and experts.

Source: Modmation.com

Select a Certification Program

buildingSMART is an open, neutral and international not-for-profit organisation that is driving the digital transformation of the built asset industry.

- Standardise openBIM training content.

- Approve & support training providers.

- Test and certify individuals.

Their Professional Certification (PCERT) program provides a global benchmark for openBIM training and competency assurance.

International Program Committee

The PCERT Program is being developed and coordinated by the buildingSMART Professional Certification Committee.
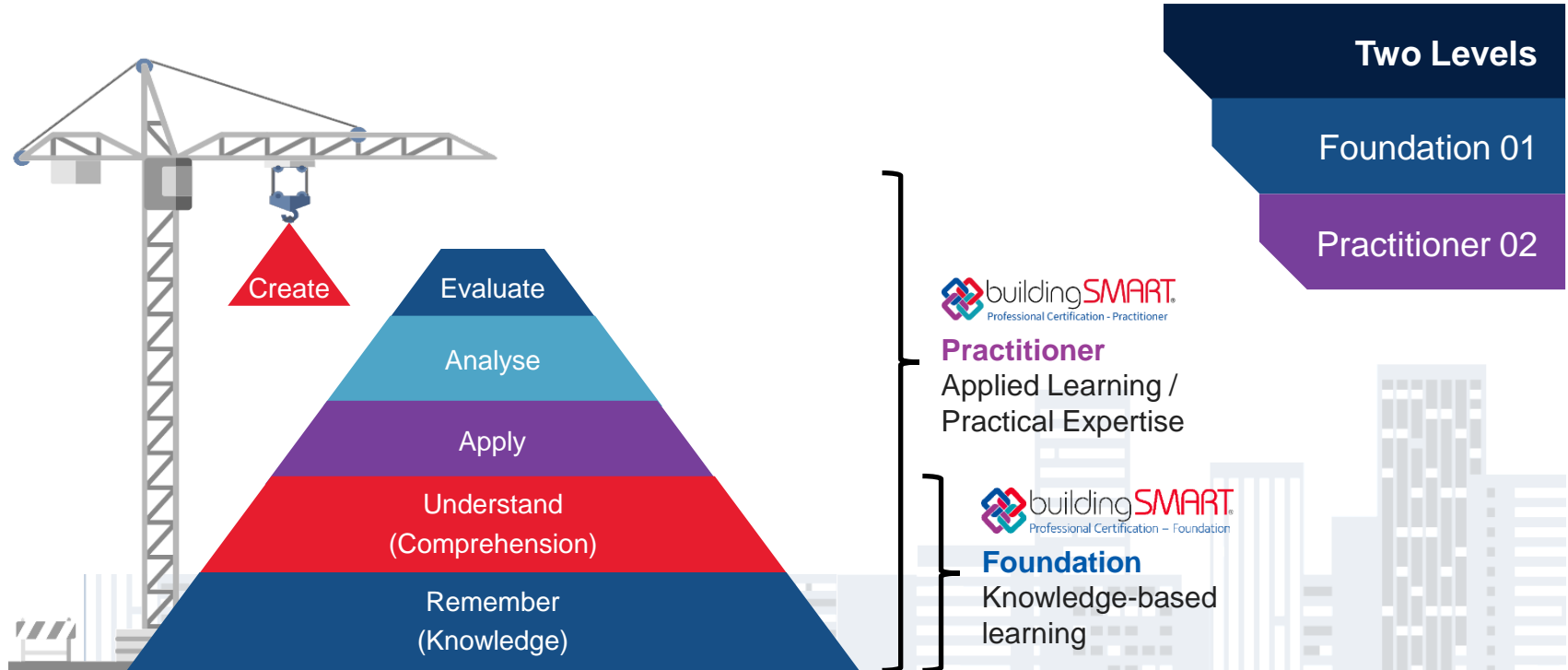
This is a team of specialists representing eight buildingSMART Chapters:

- Austria
- Canada
- China

- Germany
- Russia
- Switzerland

- UK & Ireland
- USA

Standardisation in BIM Education

Two Levels

Foundation 01

Practitioner 02

Practitioner
Applied Learning /
Practical Expertise

Foundation
Knowledge-based
learning

Pyramid levels (bottom to top):
- Remember (Knowledge)
- Understand (Comprehension)
- Apply
- Analyse
- Evaluate
- Create

Advantages of the
bSI PCERT - Foundation Program

Foundation Level - Students

Learning Outcomes by buildingSMART
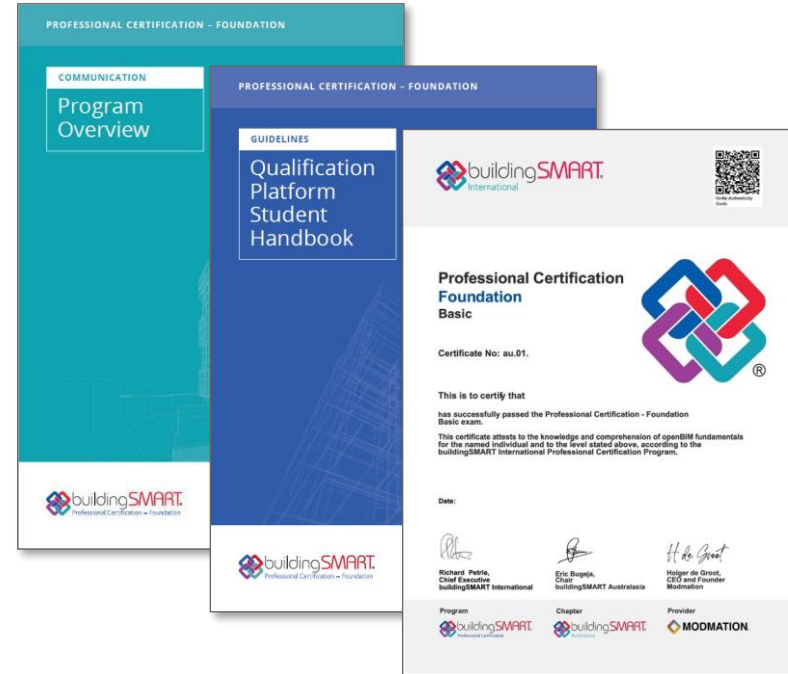Minimum learning requirements are defined globally by bSI for reliability and consistency.

BIM Training Course by Training Provider
Modmation is an authorised training provider for the bSI PCERT Foundation program.

Exam & Qualification by buildingSMART
Certified individuals are listed in the PCERT registry: education.buildingsmart.org/registry

Foundation Level – Approved Training Provider

Body of Knowledge by buildingSMART
Explanatory content for all learning outcomes by bSI for reliability and consistency.

Online Trainings & in Multiple Languages
buildingSMART works with over a hundred approved training providers worldwide.

Exam & Qualification by buildingSMART
All approved training providers are registered: education.buildingsmart.org/training-providers/.

Global Adoption

- **25 Countries involved**
  - Germany operating since 2018
  - Switzerland operating since 2019
  - Austria, Canada, China, Italy, Russia, Spain, USA and UK & Ireland operating since 2020
  - Australasia operating since 2022
- **18 Operational Chapters (5 in Development)**

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- **18 Operational Chapters (5 in Development)**
- **Available in 12 Languages**
- **160+ International Training Providers**
- **18,000+ Qualified Individuals**

160+ Training Providers

18,000+ Qualified Individuals

English Türkçe
中文 Slovenija
Italiano
Čeština
Français Español
Deutsch
Nederlands にほんご
Русский

Rebrand of the
bSI PCERT Program Structure

Four Learning Paths

Your guide to professional development and training.

Rebrand Program Structure

1 Entry

- Free online training and exam administered directly through bSI, no training provider.

- Introduces open standards and openBIM workflow.

- For individuals or those undergoing education in this domain, who may not be directly engaged with openBIM delivery.

Prerequisite: N/A
Training format: online videos
Exam: 10-20 multiple choice questions

2 Foundation
Knowledge based learning

- Focuses on the knowledge-based learning of openBIM.

- Upon successful completion of the Foundation training through a registered Training Provider.

- Individuals can undertake the online exam to become buildingSMART certified.

Prerequisite: N/A
Training format: subject to provider (approx. 2 full days training)
Exam: 30 multiple choice questions

3A Management
Knowledge based learning

- For individuals who are leading the digital transformation in an organisations.

- Offers qualifications for knowledge-based learning.

- Not as advanced as the Practitioner level that requires in depth technical knowledge.

Prerequisite: Foundation Training
Training format: subject to provider (approx. 2 full days training)
Exam: 25-30 multiple choice questions

3B Practitioner
Applied learning / Practical

- A more comprehensive approach, aligned with ISO 17024 and ISO19650.

- Offers certification based on applied learning.

- Higher competency threshold, where applicants are challenged to apply their knowledge in a project environment.

Prerequisite: Foundation Training
Training format: TBC
Exam: Online practical exam & Interview

Rebrand Program Structure

1 Entry

2 Foundation
Knowledge based learning

3A Management
Knowledge based learning

3B Practitioner
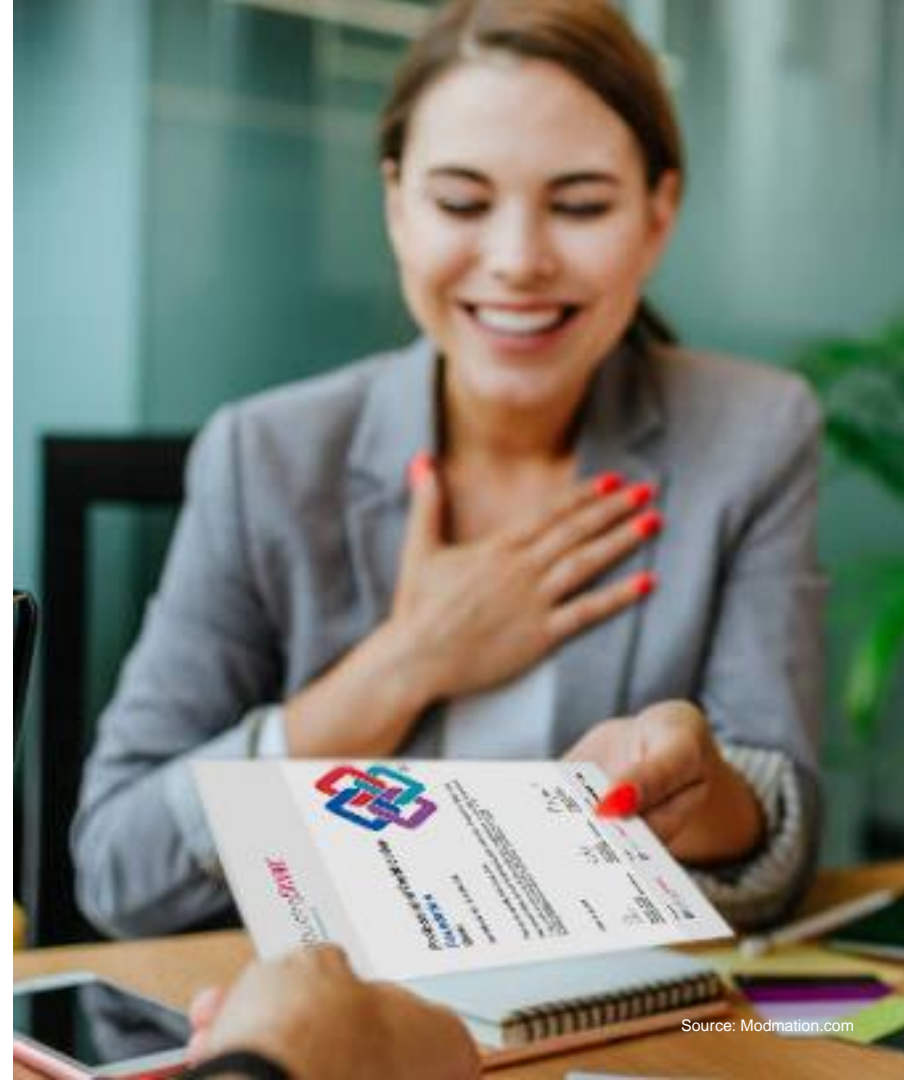Applied learning / Practical

Conclusion

Conclusion

➤ Elevate Your Career.

➤ Standardised Benchmark.

➤ Tailored Learning Paths.

➤ Recognition & Achievement.

➤ More Information: education.buildingsmart.org

Source: Modmation.com

Thank You!

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BIM COORDINATORS SUMMIT