Agenda

Introduction
Bridging Design and Delivery

Head of Regional Lead for UK and Ireland – Women in BIM
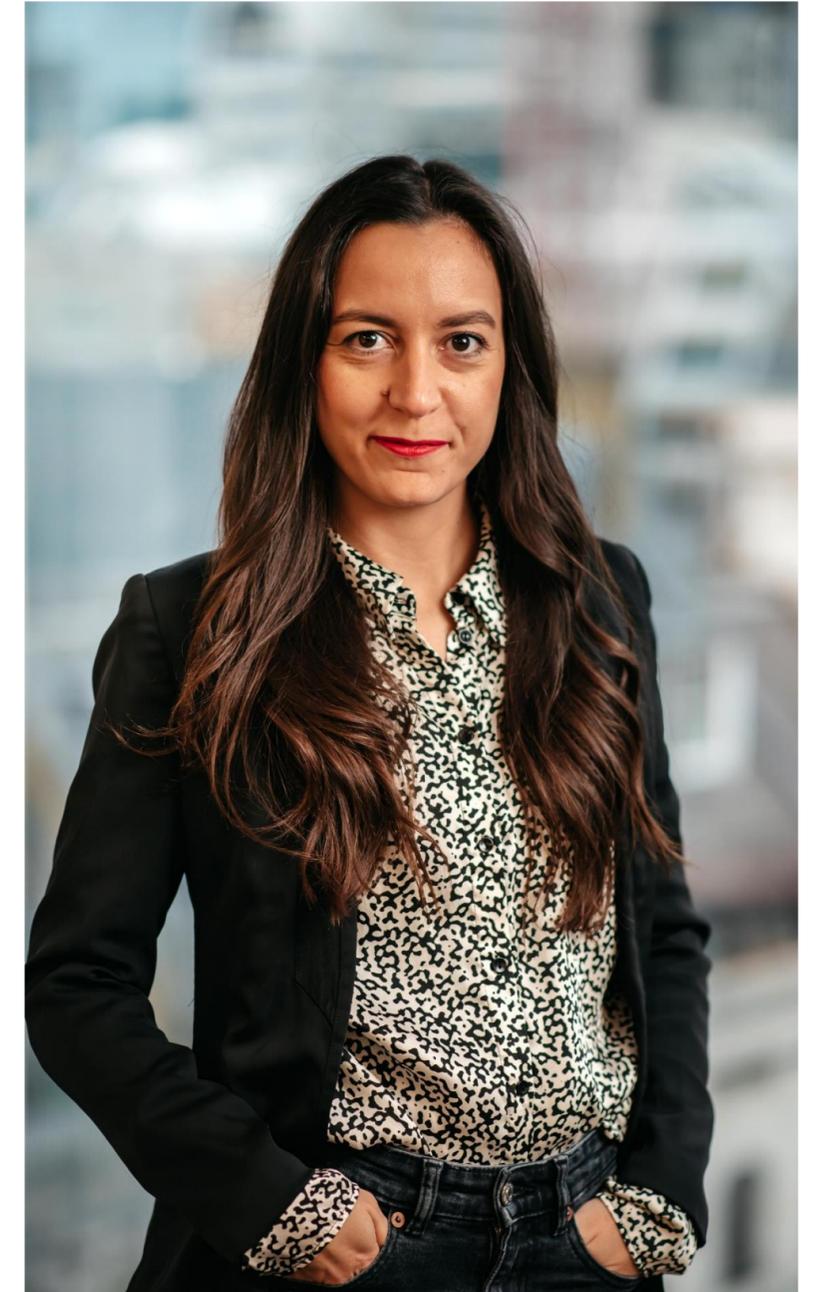
Digital Lead – Structure Tone

Digital Construction Manager – ISG
BIM Coordinator – ISG

BIM Coordinator – Pollard Thomas Edwards

MSc in BIM in Design Construction and Operations – UWE, Bristol

MSc in Architecture (Conservation) – University' "La Sapienza", Rome

Bachelor in Architecture - University' "La Sapienza", Rome

Structure Tone - STO Building Group

US & Canada

UK & Ireland

60%
EMPLOYEE OWNED

14
STOBG BRANDS

5,100+
COLLEAGUES GLOBALLY

$14bn
2025 PROJECTED REVENUE

$5bn
BONDING CAPACITY

ABBOTT CONSTRUCTION Ajax bCCI GOVAN BROWN Layton CONSTRUCTING WITH INTEGRITY LF Driscoll LF Driscoll Healthcare

PAVARINI PAVARINI McGOVERN RC ANDERSEN STRUCTURE TONE STO MISSION CRITICAL STRUCTURE TONE International STRUCTURE TONE Southwest

Structure Tone - London

US & Canada

UK & Ireland

2.2sqm

SQ FT LIVE ON SITE

309

PEOPLE IN LONDON

£420m

PROJECTED 2025 TURNOVER

£500m

PROJECTED 2026 TURNOVER

£500m

PROJECTED 2027 TURNOVER

Our Enhanced Bandwidth

STRUCTURE TONE

Sector

DEVELOPER

16 St Martin's Le Grand

Bloomsbury Quarter

One Westferry Circus

Northcliffe House

1 Old Jewry

FINANCIAL SERVICES

CFC, London

Project Edward

Confidential Fintech Client

Project Apollo

Wells Fargo

1CP

Confidential Fintech Client

LEGAL

20 Ropemaker, London

Ashurt, London

Millbank

Sidley Austin

Paul Hastings

Project Eagle

MEDIA & TECH

KGX1, King's Cross

Technology client
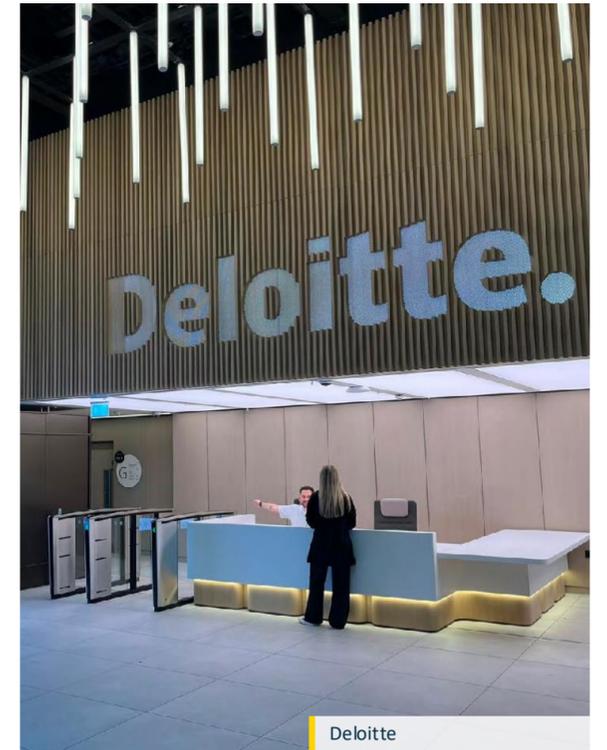
Technology client

Project Floyd

WPP Rose Court

PROFESSIONAL SERVICES

Savills

Deloitte

AI in the AEC sector

Traditional challenges in the AEC environment

1. Fragmented data and poor interoperability
- Cost of rework, claims and safety risk.
- Duplicate data entry, drawing/model versions
- Painful COBie delivery and O&M handover
- Lost context between design, site and asset management systems

3. Skills shortage and capability gaps
- Overreliance on a few BIM leads
- Lack of experienced people in modelling and technical knowledge
- Time consuming clash detection tasks

2. Cultural resistance and change fatigue
- Site teams may view digital tools as extra admin rather than value
- Low mobile app adoption in the field
- Pilots that don't scale beyond project champions
- It's too complicated

4. Handover to Maintenance
- digital models don't translate into maintainable data in CAFM/CMMS
- Lack of Digital Twin knowledge
- O&M manuals in PDF

## 5. Commercial procurement and BIM skills misalignment
- BIM as a tick-box, not an integrated and connected process
- Late appointment of key sub-contractors
- Defined BIM responsibilities from day 1

Can AI address all these challenges?

Where are we?

- **Early adopters** → Tech, finance, retail, media

- **Mid adopters** → Healthcare, manufacturing, logistics

- **Late adopters** → **Construction**, agriculture

"There's a significant misconception that all advanced technology is AI."
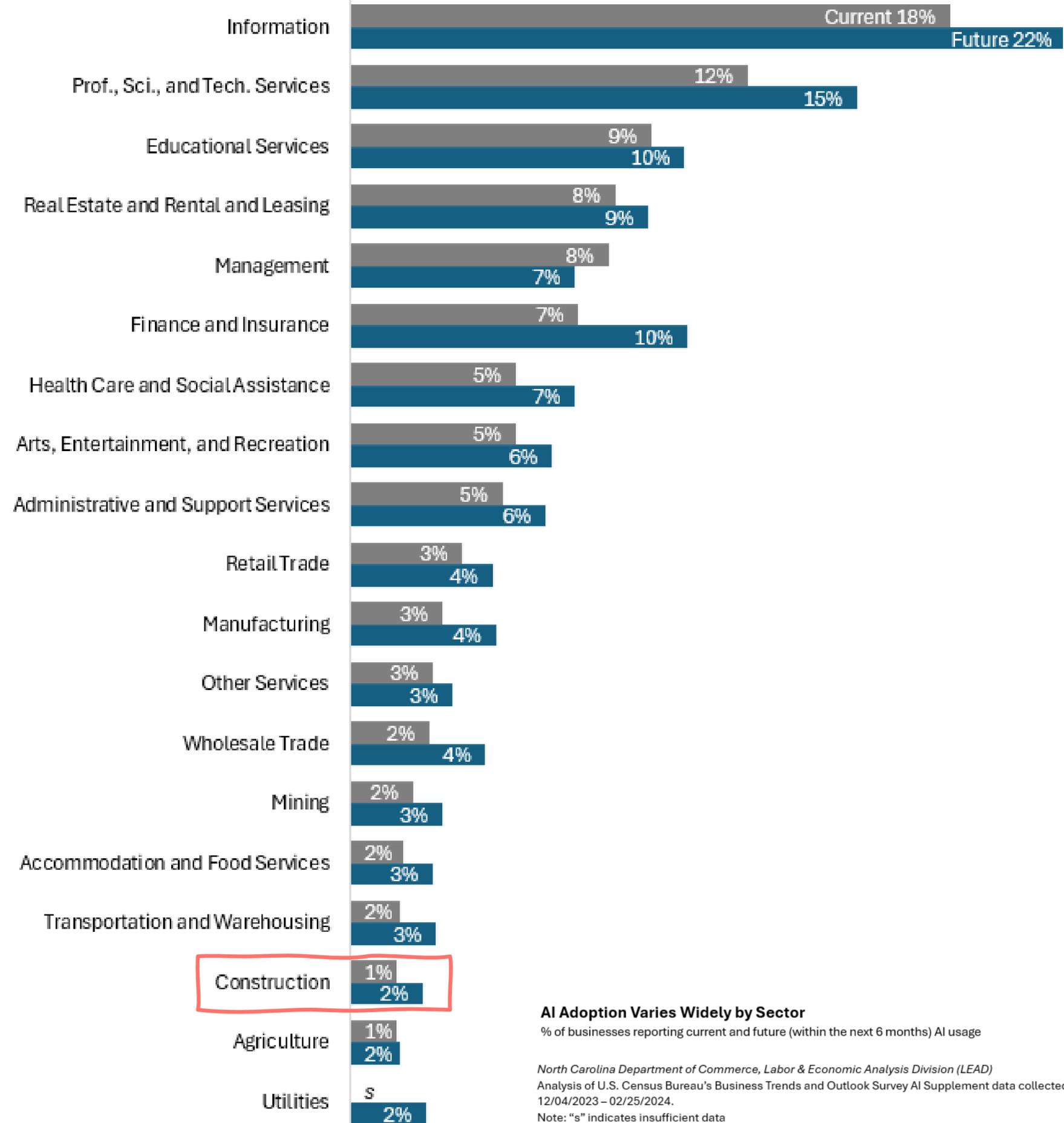
AI Adoption Varies Widely by Sector
% of businesses reporting current and future (within the next 6 months) AI usage

North Carolina Department of Commerce, Labor & Economic Analysis Division (LEAD)
Analysis of U.S. Census Bureau's Business Trends and Outlook Survey AI Supplement data collected 12/04/2023 – 02/25/2024.
Note: "s" indicates insufficient data

AI in the A, E, C sectors

How we could potentially use AI

STRUCTURE TONE

Architectural & Engineering

- Generative design & concept exploration

- Space planning & optimization

- Structural analysis & simulations

- Bid and Tenders
Design visualization (AI rendering, VR/AR)

- Sustainability
Energy performance modelling

Construction

- Safety

- Project scheduling & optimization

- Cost estimation & risk analysis

- Robotics and automation

TYPES OF Artificial Intelligence

GENERATIVE AI
Creates new content

PREDICTIVE AI
Forecasts future
trends

REASONING AI
Evaluate to make
informed decisions

Established

Emerging

How Structure Tone uses AI in construction (fit-out)

Repetitive Tasks
- Automated data entry and report generation (e.g., pulling data from various systems for daily logs).
- Streamlining compliance checks and documentation.
- Drawings

Chatbots like ChatGPT/Gemini
- Day to day tasks

Tenders and Image Creation
- Using generative AI for conceptual design iterations or mood boards
- Quickly creating photorealistic renders from 3D models for client presentations
- Generating initial drafts of proposal sections or marketing copy

Predictive scheduling
- Algorithms analyse project timelines and forecast potential delays, enabling project managers to take proactive action. Forecasting Labour need, predicting lead times for material
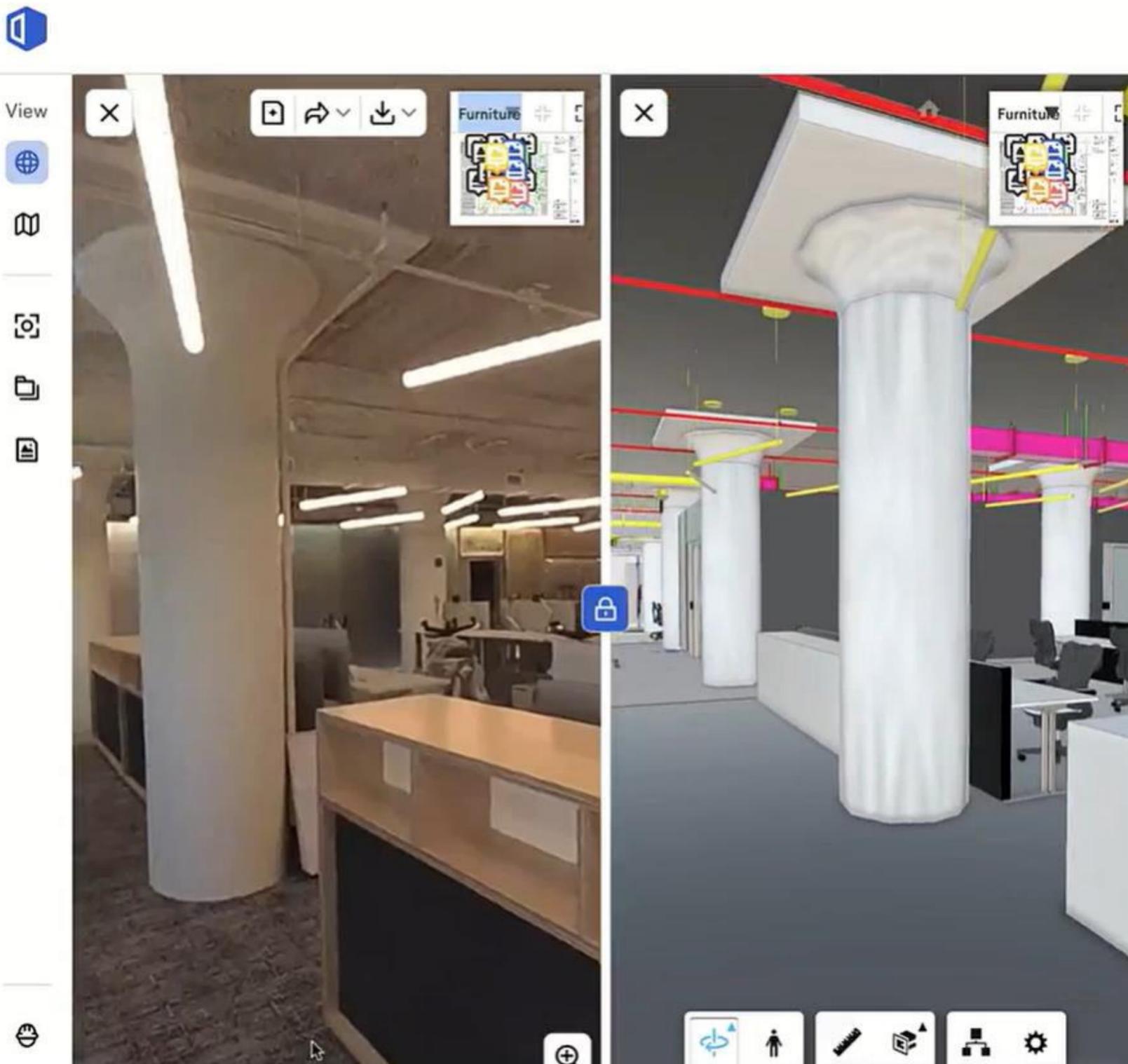
Benefits
- Time savings
- Better data-driven decisions
- Reduction in manual, repetitive work

OpenSpace

site capture, progress tracking, automated comparisons

Buildots

Programme tracking and intelligent forecasts

	Markup	Concrete-Ceilings	Plumbing Risers	Highland Park Sprinklers	Studs	Pre Rock	1st Fix Sprinklers	1st Fix Ductwork	Shower Trays	Domestic Water Pipes	Ceiling Grid
Control	✓	✓		✓	+0%	✓	+42%	✓	✓	✓	✓
Level 2	+0%	✓	+0%	✓	+1%	+0%	+34%	+19%		+5%	+0%
Level 3	+99%	✓	+51%	✓	+99%	✓	+34%	+93%		+99%	+99%
Level 4	✓	✓	+49%	✓	+99%					+99%	
Level 5	+99%	+89%	+99%	✓	+94%						
Level 6		+48%	+52%	✓							
Level 7		+49%		+93%							
Level 8		+42%		+97%							
Level 9											
Level 10											
Level 11											
Level 12											
Level 13											
Level 14											
Level 15											
Level 16											

14 Jan 2021 → 29 Jan 2021

Filters (1)

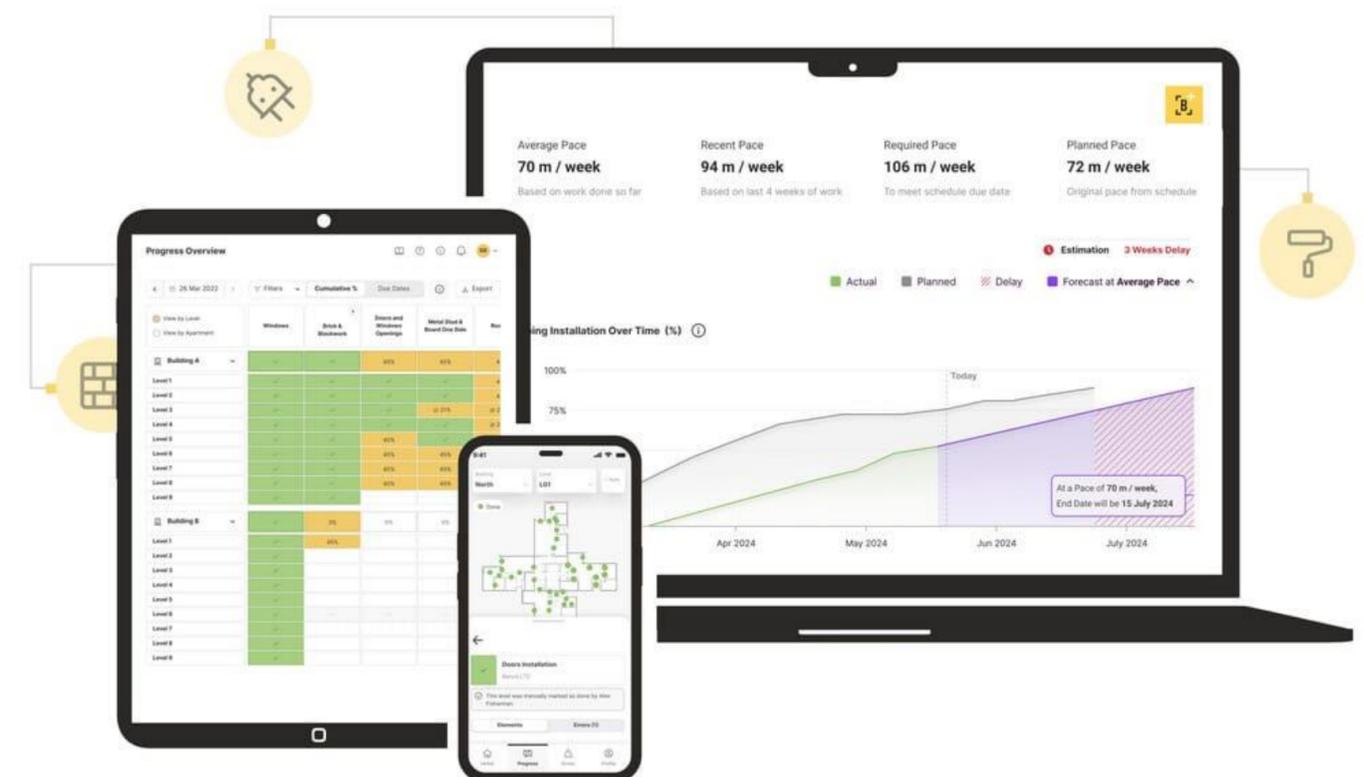Level View / Apt. View

Building |

Comparison

Visual story of your site's journey and 2D/3D comparison
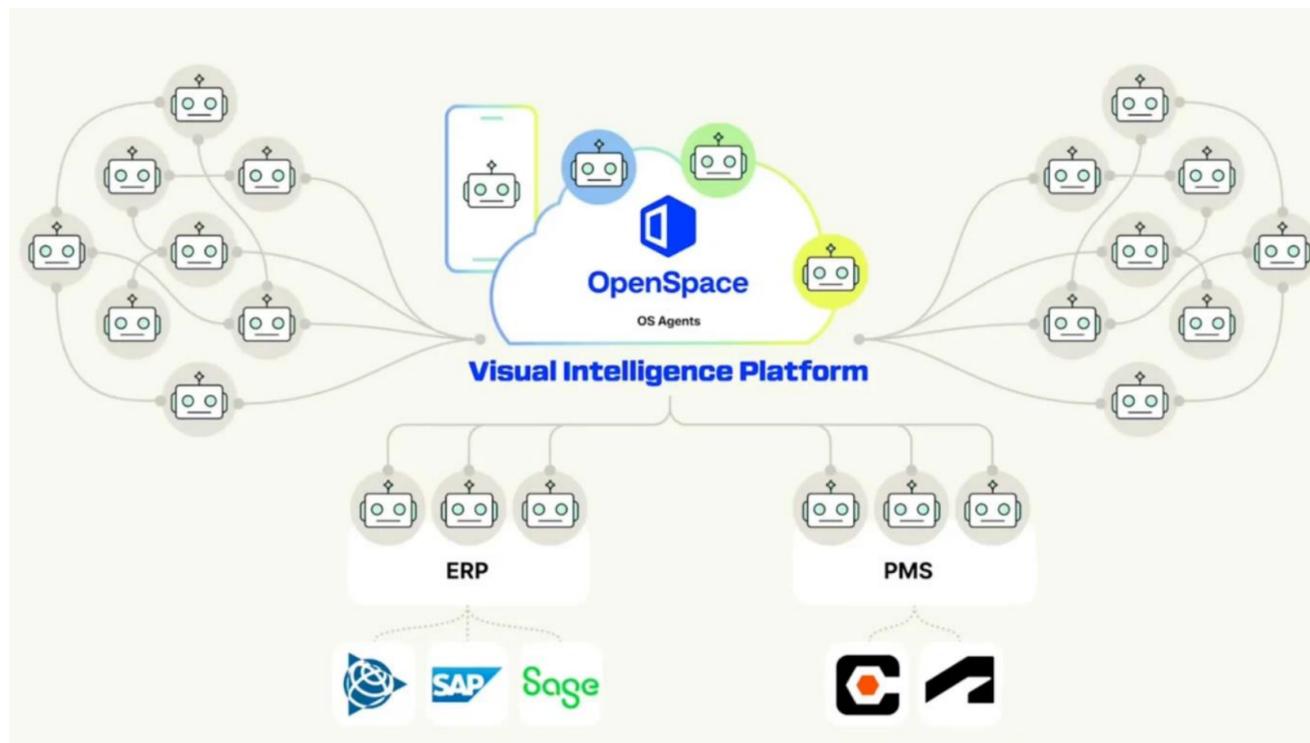
Precise, data-driven control over the *execution* of that journey

WiB

A powerful collaborative network

AI enhances efficiency, but people drive innovation

AI and WiB together accelerate construction's evolution toward an innovative,
inclusive future.

The global reach of Women in BIM

Wi3

4,104
Members
We have 4,000+ Members located across the globe, this number is continually increasing

2,553
Companies
Our Members are based in over 2,500 companies worldwide

120
Countries
Women in BIM is represented in over 100 Countries and we are seeking to increase this even further

Global Executive Team

Rebecca De Cicco
Founder & Global Chair

Marie Grieve
Global Vice Chair

Nicole De Cicco
Global Administrator

Willow Williams
Global Head of Education

Francesca Lofiego
Head of Regional Leads for UK
& Republic of Ireland

The Women in BIM
Regional Lead Network

WIB Regional Leads support and promote women in BIM in their respective region of the world.

Our Regional Leads volunteer their time to help connect you locally with a wealth of innovative thinkers, provide educational opportunities and expand your network, to enhance your BIM related career.

146
Regional Leads

WiB

ABOUT ∨   MEMBERSHIP ∨   SPONSORS ∨   MENTOR SCHEME ∨   INSIGHTS ∨   EVENTS ∨   RECRUITMENT   CONTACT

Our Core Objectives & Drivers

WiB

Attract and Encourage

We wish to attract more women into digitally related careers by showcasing role models and maintaining a support mechanism across our network. We aim to endorse the digital construction sector as a sector of choice to ensure more young women entering these careers or pivoting into digitally related roles in their organisation.

Promote and Support

Supporting one another is crucial as we strive to develop a more inclusive industry. Our network of Members is in place to support, share and encourage each other to grow their skills and take advantage of new opportunities across the world. This enables them to grow and be promoted as prominent leaders to our industry.

Advance and Retain

Research shows women are leaving careers in the construction industry or moving to other sectors. We celebrate women in digital roles and provide opportunities for further advancement to showcase them as role models. This will help to increase the representation of women in senior construction roles and leadership positions.

EVENTS

EDUCATION

MENTORING

MEDIA

Resources & Collaboration

We work with many women globally to support career development as well as attracting young women into the industry. We act as mentors to grow personal and professional skills, encouraging our Members to enter into BIM and digital related roles in the future. We equip our women in BIM with the tools and confidence they need to create a more diverse industry through our education and mentoring initiatives.
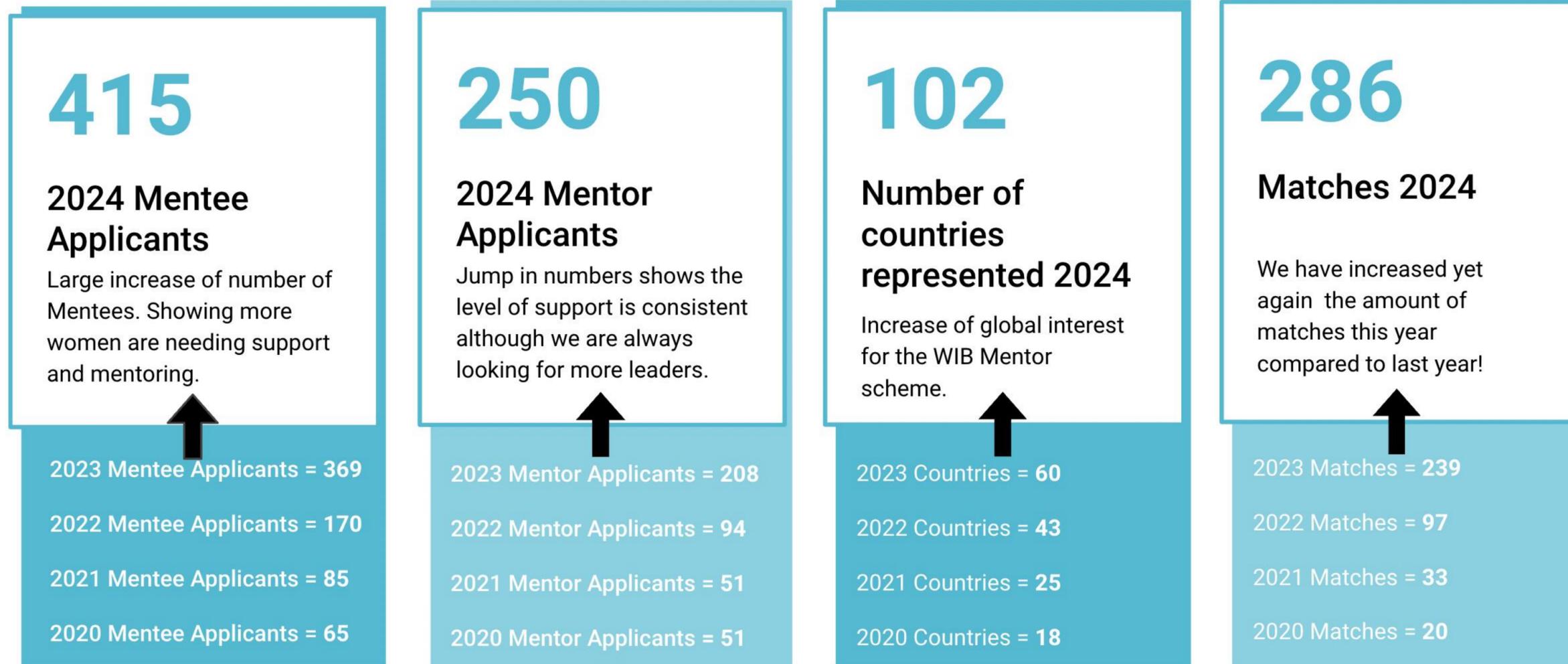
Mentor Scheme

As a group, WIB strives to elevate the image of women in the AEC industry. One of the ways to achieve this is through creating opportunities for more WIB to connect and support each other.

The WIB Mentor Scheme has been designed to offer support and guidance for our Members to learn and grow both professionally and personally for a period of six to nine months.

Mentor Scheme Success
2020 - 2024

WI3

415

2024 Mentee Applicants

Large increase of number of Mentees. Showing more women are needing support and mentoring.

2023 Mentee Applicants = **369**

2022 Mentee Applicants = **170**

2021 Mentee Applicants = **85**

2020 Mentee Applicants = **65**

250

2024 Mentor Applicants

Jump in numbers shows the level of support is consistent although we are always looking for more leaders.

2023 Mentor Applicants = **208**

2022 Mentor Applicants = **94**

2021 Mentor Applicants = **51**

2020 Mentor Applicants = **51**

102

Number of countries represented 2024

Increase of global interest for the WIB Mentor scheme.

2023 Countries = **60**

2022 Countries = **43**

2021 Countries = **25**

2020 Countries = **18**

286

Matches 2024

We have increased yet again the amount of matches this year compared to last year!

2023 Matches = **239**

2022 Matches = **97**

2021 Matches = **33**

2020 Matches = **20**

Mentor Scheme Success 2025!

WiB

473
Mentee Applications

The majority (81%) are early to mid career professionals seeking guidance and development support, aligning well with the goals of the Mentor Scheme

300
Mentor Applications

Over 75% of Mentors have more than 10 years of experience, bringing deep knowledge and strategic insight to their mentee relationships

78
Countries

Top 5 Countries:
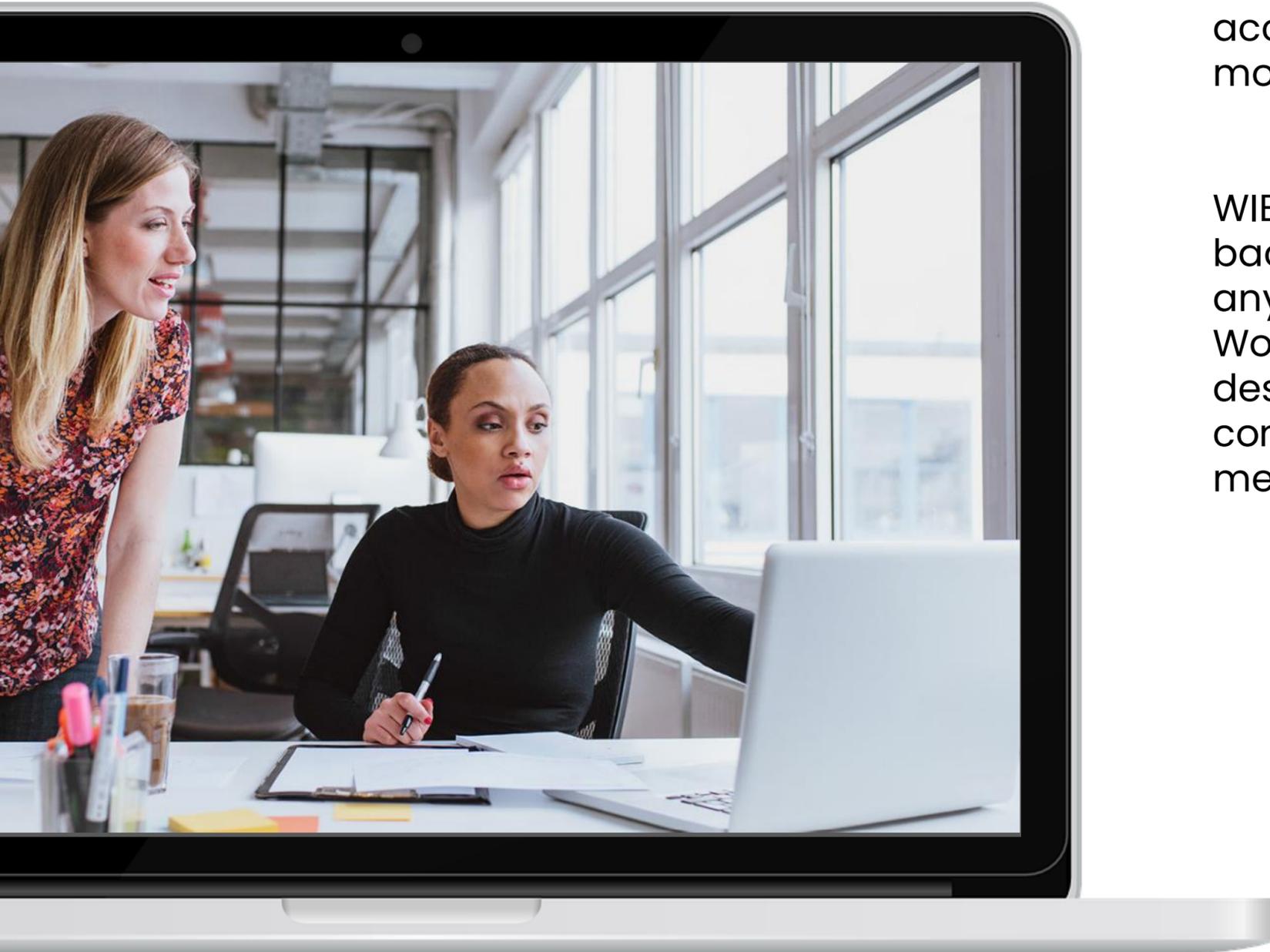|	
United Kingdom	24%
Brazil	15%
Australia	14%
United States	7%
Italy	6%

312
Matches

Reflecting a strong global interest in developing professional careers through mentorship and BIM knowledge sharing

Join Women in BIM!

Membership to the WIB community provides access to exclusive Member benefit, find out more at **www.womeninbim.org**

WIB welcomes anyone with a professional background in BIM or digital construction and of any gender to join the programme as a mentor. Women and people of minority genders with a desire to develop further in BIM and digital construction are welcome to apply to be mentees.