



Built Environment Industry Digital Plan (IDP)

A guide for Small and Medium Enterprises (SMEs) in the Built Environment sector to identify opportunities for digitalisation and adopt digital solutions to support their business needs.

An initiative by



Sector lead



Supported by



1. Built Environment Landscape

The Built Environment sector builds a safe, sustainable and progressive environment for living, work and play, contributing to a better quality of life for Singaporeans.

The Built Environment IDP is designed for all SMEs in the Built Environment from Design, Fabrication and Construction, to Asset Delivery & Management to enhance their digital capabilities and improve their overall efficiency.



More than 16,000¹ firms
in 2022



Share to overall nominal
Gross Value Added is
about 4%² in 2023



Employs ~14%³ of
Singapore's total
workforce in 2023

Note:
1) Building and Construction Authority, 2024
2) Singapore Department of Statistics, 2024
3) Ministry of Manpower, 2024

Built Environment Industry Transformation Map (BE ITM)

The BE ITM unifies the previous Construction and Real Estate (Facilities Management) ITMs into a single framework, with a focus on a value-chain approach to seize opportunities within the Built Environment Sector.

To achieve this vision, three **Key Transformation Areas** are identified:

1 Integrated Planning and Design (IPD) enables firms to collaborate and design accurately and cost-effectively

2 Advanced Manufacturing and Assembly (AMA) enables firms to keep their workers safe and well-utilised, and lowers cost of fabrication

3 Sustainable Urban System (SUS) lower buildings' emissions and energy needs, and consolidate operational and analysis needs across facilities and buildings

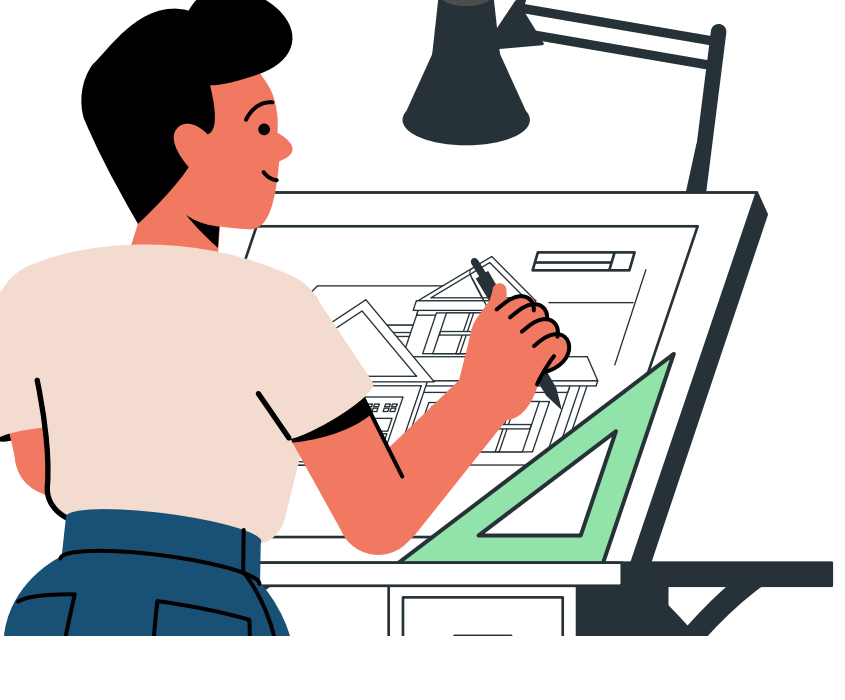
2. The personas

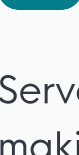
The profiles of the Built Environment sector can broadly be represented by eight personas. Each persona plays a vital role in transforming the sector by creating a highly skilled workforce in the building lifecycle value chain.

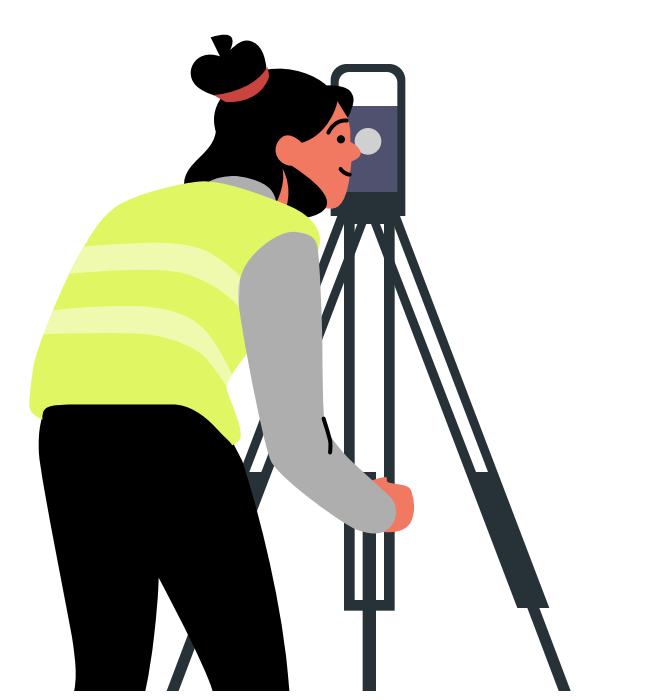


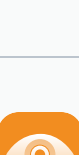
Select a persona to understand the type of solutions that best address their specific needs

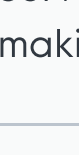
Developer	Proposed Solution Categories
Primary decision-makers throughout the construction process; responsible for providing the brief, requirements, and funding for the project 	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 Digital Contract Management > Ensures work verification aligns with contracts for timely payments and cashflow
	 Data and AI-driven Decision Support System > Empowers developers to monitor project performance with stakeholders' data via dashboards

Architect	Proposed Solution Categories
Responsible for designing and planning the construction of buildings and structures, ensuring both aesthetics and functionality while complying with regulations 	 3D Modelling, Immersive, Visualisation and Analysis > Empowers consultants with 3D modelling, immersive visualisation, and performance simulation
	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 Coordinated Regulatory Approvals and Rule-Based Model Checker > Enables consultants to verify design complies with regulatory standards
	 Design for Manufacturing & Assembly (DfMA) > Boosts use of standardised components via AI-assisted design for cost reduction

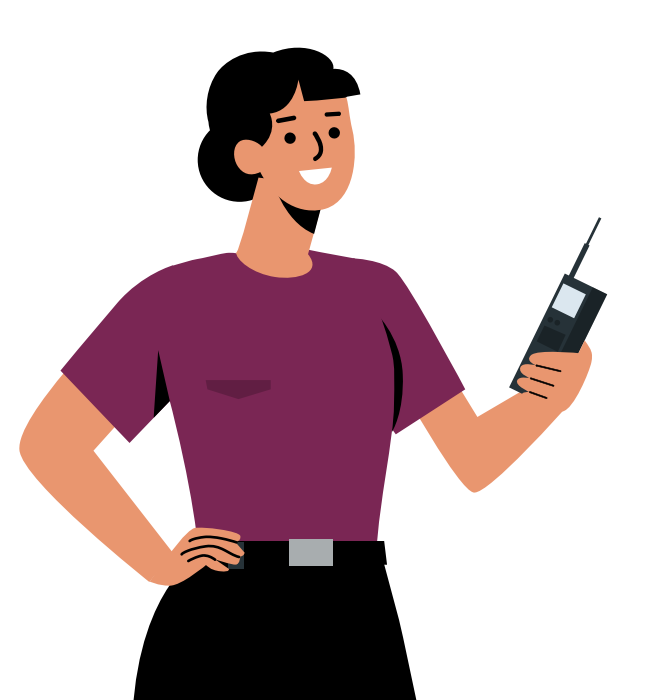
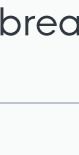
Engineer	Proposed Solution Categories
Responsible for overseeing the construction of buildings and infrastructure, ensuring compliance with safety, environmental, and regulatory standards 	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 3D Modelling, Immersive, Visualisation and Analysis > Empowers consultants with 3D modelling, immersive visualisation, and performance simulation
	 Coordinated Regulatory Approvals and Rule-Based Model Checker > Enables consultants to verify design complies with regulatory standards

Quantity Surveyor	Proposed Solution Categories
Responsible for managing the costs and financial aspects of construction projects, including estimating, budgeting, cost control, and procurement of materials and services 	 Digital Contract Management > Ensures work verification aligns with contracts for timely payments and cashflow
	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 Quantity Surveying and Valuation > Empowers surveyors to automate quantity take-off and cost estimation with BIM

Main Contractor	Proposed Solution Categories
Responsible for the overall coordination and management of a construction project Oversee specialist contractors, manage the construction process, and ensure that the project is completed according to the client's requirements and specifications 	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 Digital Contract Management > Ensures work verification aligns with contracts for timely payments and cashflow
	 3D Modelling, Immersive, Visualisation and Analysis > Empowers consultants with 3D modelling, immersive visualisation, and performance simulation
	 Smart Inspection and Management > Provides alerts for timely intervention in delays and safety breaches using analytics
	 Robotics and Automation (R&A) > Replaces workers with robots for safer, error-free construction tasks

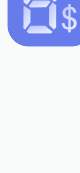
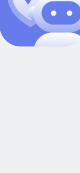
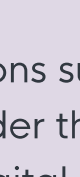
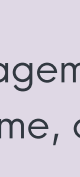
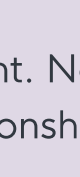
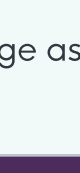
Specialist Contractor	Proposed Solution Categories
Responsible for performing specific tasks or providing specialised services as part of a larger project Expert in particular areas of construction, such as electrical works, plumbing, painting, carpentry, or heating, ventilation and air conditioning (HVAC) systems 	 3D Modelling, Immersive, Visualisation and Analysis > Empowers consultants with 3D modelling, immersive visualisation, and performance simulation
	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 Smart Inspection and Management > Provides alerts for timely intervention in delays and safety breaches using analytics

Project Manager	Proposed Solution Categories
Responsible for overseeing the planning, coordination, and execution of construction projects, ensuring that they are completed on time, within budget, and in compliance with quality and safety standards 	 Digital Contract Management > Ensures work verification aligns with contracts for timely payments and cashflow
	 Built Environment Digital Platform (BEDP) > Serves as a centralised repository for project collaboration and decision-making
	 Quantity Surveying and Valuation > Empowers surveyors to automate quantity take-off and cost estimation with BIM

Facility Manager	Proposed Solution Categories
Responsible for the maintenance, operation, and management of buildings and infrastructure, ensuring that they meet the needs of the occupants while maintaining safety, efficiency, and compliance with regulations 	 Facilities Management (FM) Workflow Automation > Automates FM processes, enhancing service efficiency by tracking and closing incidents
	 Asset Condition-based and Predictive Maintenance > Predicts building asset health to optimise maintenance and prevent breakdowns
	 Integrated Building Management Platform (IBMP) > Consolidates control of building services for holistic awareness and simplified coordination

3. Digital Solutions Roadmap

This Digital Solutions Roadmap outlines solutions for your company to adopt at each stage of growth. Some of the solutions are enabled with Data Analytics and Artificial Intelligence (AI) capabilities.

Key Transformation Areas	Stage 1	Stage 2	Stage 3
	Getting Ready for the Digital Economy For SMEs looking to build their foundational digital capabilities¹	Growing in the Digital Economy For SMEs looking to grow their digital capabilities²	Leaping Ahead in the Digital Economy For SMEs looking to reach an advanced stage of digital capabilities³
Integrated Planning & Design (IPD)	 3D Modelling, Immersive, Visualisation and Analysis  Quantity Surveying and Valuation  Digital Contract Management	 Built Environment Digital Platform (BEDP)  Coordinated Regulatory Approvals and Rule-Based Model Checker	 Data and AI-driven Decision Support System
Advanced Manufacturing & Assembly (AMA)	 Smart Inspection and Management	 Design for Manufacturing & Assembly (DfMA)	 Robotics and Automation (R&A)
Sustainable Urban Systems (SUS)	 Facilities Management (FM) Workflow Automation	 Asset Condition-based and Predictive Maintenance	 Integrated Building Management Platform (IBMP)

SMEs can also adopt other generic solutions such as cybersecurity, accounting management, and human resource management. Newly incorporated businesses can also adopt foundational solutions under the IMDA Pre-Approved Solutions scheme, covering areas such as customer relationship management (CRM), sales generation, digital collaboration tools, digital marketing and business efficiency.

Note:
1. This roadmap shall be updated over time as digitalisation of the industry progresses and new technologies are introduced for the industry.
2. To facilitate ease of understanding solution categories are assigned to the business area that will impact most.

³ SME could progress from one stage to the next stage as their needs and challenges change.

Stage 1: Getting Ready for the Digital Economy

For SMEs looking to build their foundational digital capabilities

 Integrated Planning & Design (IPD)
3D Modelling, Immersive, Visualisation and Analysis

- Creates 3D models from initial concept to as-built documentation for building works.
- Prepares CORENET X models for regulatory submissions.
- Uses digital 3D models and immersive technology to visualise, seek feedback and validate the design of building works.
- Performs digital analysis of building works to simulate performance or study behaviour after completion.

Benefits

- Presents project benefits through 3D photo-realistic visualisation.
- Saves time and effort in the design stage documentation.
- Speeds up design process and contribute to minimising waste from the early stages.
- Provides actionable insights through early diagnosis during the design stage.

 Integrated Planning & Design (IPD)
Quantity Surveying and Valuation

- Uses a digital model to estimate quantity and costs at various stages of building works.

Benefits

- Provides fast, effective and efficient quantity take-off and cost estimations.
- Produces reliable quantities and competitive cost estimates.
- Enhances cost database management to reduce information loss.

 Integrated Planning & Design (IPD)
Digital Contract Management

- Ensures effective work verifications against contractual deliverables and milestones, leading to prompt payments and healthy cashflow project.

Benefits

- Enhances security as approved transactions are encrypted and stored across a network of computers.
- Reduces cost by eliminating the need for middle-men.
- Improves transparency as transaction records can be made visible to anyone with access.
- Boosts cashflow as more digital financing and advanced payment options become available.

 Advanced Manufacturing & Assembly (AMA)
Smart Inspection and Management

- Uses digital inspection solutions to record observations from site inspections of building works and tracks follow-up actions taken.
- Uses digital surveying/imaging solutions that create 3D digital representations of building works for verifications/inspections.

Benefits

- Reduces workplace accidents and improves productivity by addressing safety issues such as fatigue and stress monitoring.
- Tracks health data and provides audible alarms to notify workers.
- Enhances area visualisation for informed decision-making before the commencement of on-site work.
- Streamlines site processes and reduces paperwork during project operations to boost productivity.
- Aggregates site data, progress, and inspections on a single dashboard for centralised analysis and decision-making.
- Provides real-time identification of worksite hazards to improve the safety and health of workers.

 Sustainable Urban Systems (SUS)
Facilities Management (FM) Workflow Automation

- Automates the creation, tracking, logging and/or closing of incidents upon triggers by sensors/humans.
- Enables reporting, document management, tracking of energy consumption, and resource management.
- Displays real-time content.

Benefits

- Reduces turnaround time with a streamlined workflow process.
- Automates incident reporting and tracking with a single point operator.

Stage 2: Growing in the Digital Economy

For SMEs looking to grow their digital capabilities

 Integrated Planning & Design (IPD)
Built Environment Digital Platform (BEDP)

- Requests for information to facilitate communication, tracking and resolution of issue arising from building works.
- Computes, manages and analyses embodied and operational carbon emissions associated with building works.
- Submits and obtains approvals relating to the design or variation of building works.
- Conduct integrated concurrent engineering meetings for building works.
- Monitor and manage the project performance of building works based on site data captured.
- Manage, track, and rectify defects in building works.
- Record and manage safety compliances, incidents, and observations.
- Facilitates efficient data sharing in diverse formats among project partners throughout the project life-cycle, allowing for coordinated work activities and issue monitoring to meet the needs of different stakeholders and ensure smoother project delivery.

Benefits

- Enhances quality of BIM, carbon emission data and site data with ease.
- Provides access to timely information to resolve errors and reduce reworks and delays.
- Improves overall project performance and productivity while reducing conflicts and changes during construction projects.
- Minimises risks associated with using outdated information.
- Tracks issues and facilitates accountability for corrective actions among project members.
- Addresses challenges in real-time throughout the project life-cycle.

 Integrated Planning & Design (IPD)
Coordinated Regulatory Approvals and Rule-Based Model Checker

- Uses automated model checker to verify BIM model quality and building code compliance prior to coordinated submissions for regulatory approval.
- Performs intelligent checks of their design models against regulatory requirements for compliance purpose.

Benefits

- Resolves construction issues early in the design phase.
- Validates design with latest construction documents to ensure conformity to requirements.
- Enhances design and BIM quality through automated checking.
- Streamlines the regulatory submission and approval processes.

 Advanced Manufacturing & Assembly (AMA)
Design for Manufacturing & Assembly (DfMA)

- Creates, publishes, and configures parametrised BIM components in a cloud platform for ease of management and reuse of standardised components across multiple projects.
- Increases the use of standardised components that can be sourced from manufacturers' catalogues through AI-assisted design optimisation solution to improve constructability and reduce fabrication costs.

Benefits

- Reduces variations to standard components and minimises design repetitions.
- Minimises conflicts and alterations to DfMA products during construction projects, thereby reducing reworks and disruptions.

 Sustainable Urban Systems (SUS)
Asset Condition-based and Predictive Maintenance

- Uses sensors and data analytics to monitor the condition of assets in real-time.
- Provides insights into asset health and performance, enabling proactive maintenance and minimising downtime.

Benefits

- Allows for proactive maintenance based on real-time asset condition data, reducing downtime and optimising asset performance.
- Enables efficient allocation of maintenance resources, leading to cost savings and improved operational reliability.

Stage 3: Leaping Ahead in the Digital Economy

For SMEs looking to reach an advanced stage of digital capabilities

 Integrated Planning & Design (IPD)
Data and AI-driven Decision Support System

- Uses data analytics, machine learning, and artificial intelligence to enhance data-driven decision-making.
- Enables developers and lead construction companies to monitor their projects' performance in terms of Cost, Time, Safety, Quality and Productivity through dashboard solutions, based on data contributed from project stakeholders.

Benefits

- Enables early data-driven interventions to improve project performance.
- Predicts and mitigates risks in construction projects.
- Enables benchmarking across projects for better resource planning and forecasting.

 Advanced Manufacturing & Assembly (AMA)
Robotics and Automation (R&A)

- Undertakes strenuous and repetitive manual work such as overhead drilling, brick stacking, painting and cleaning.
- Augments workforce with robots to undertake dangerous and physically demanding tasks on construction sites, reducing human errors and improving compliance with safety standards.

Benefits

- Reduces repetitive and laborious tasks, freeing up time for higher value tasks.
- Minimises the number of workplace accidents.

 Sustainable Urban Systems (SUS)
Integrated Building Management Platform (IBMP)

- A centralised system that uses IoT, AI, and data analytics to enhance building performance.
- Integrates with Facility Management (FM) digital platforms and/or Building Management Systems (BMS) to enable real-time monitoring and automated control of assets such as HVAC, lighting, and security.
- Provides a comprehensive view of building performance insights and facilitates informed decision-making, regulatory compliance, optimised resource allocation, enhanced efficiency, safety, tenants' wellness, and building sustainability.

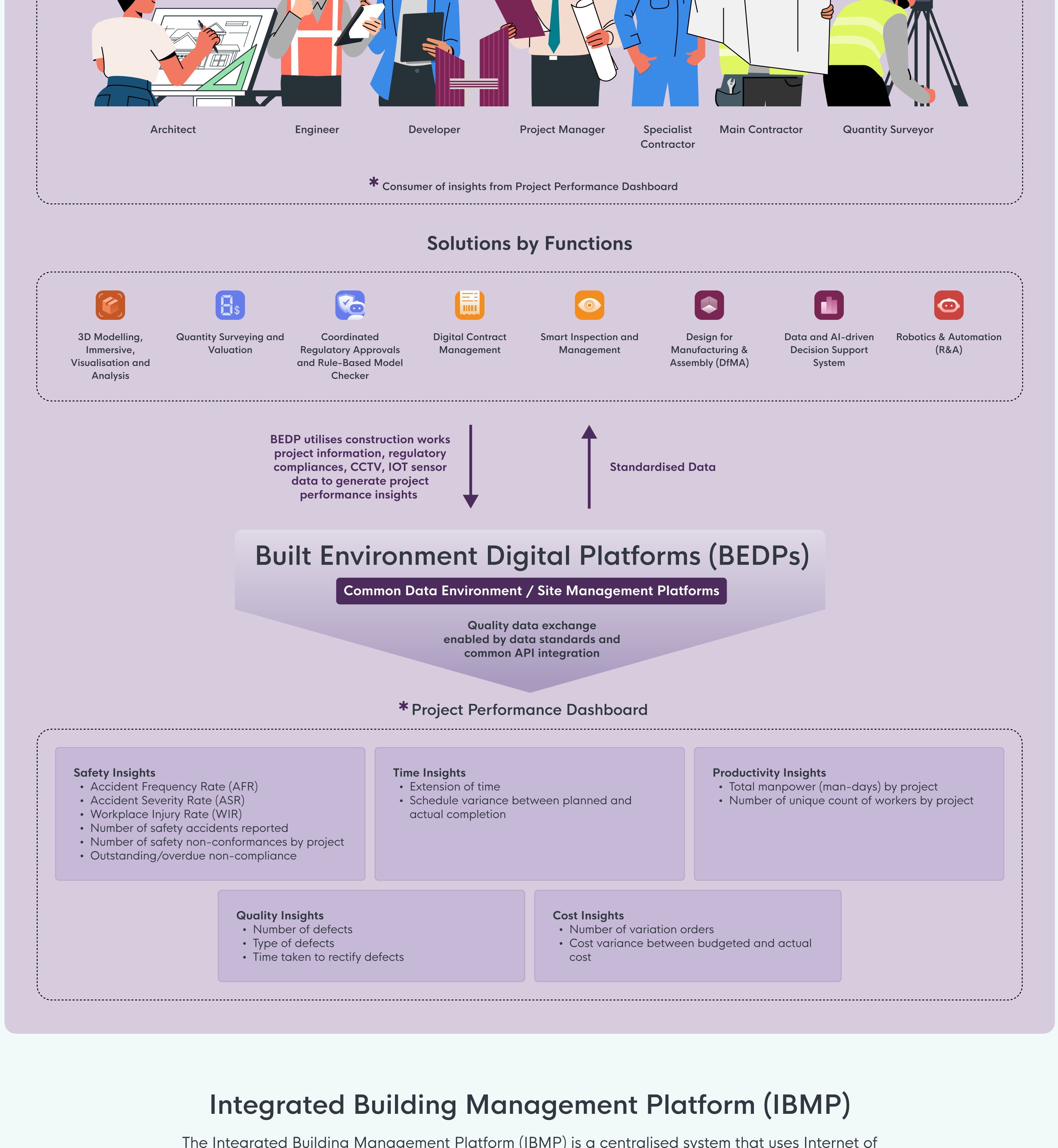
Benefits

- Enhances operational efficiency for seamless building management.
- Monitors and controls building systems in real-time.
- Enables data-driven decision-making for optimised building performance.

Built Environment Digital Platform (BEDP)

BEDP gathers and integrates data from various digital solutions used by project stakeholders, offering crucial real-time insights on safety, cost, time, productivity, and quality. This supports better decision-making to achieve optimal project outcomes in the dynamic and complex Built Environment.

BEDP serves as a single source of truth for all project-related information, that allows project stakeholders to have access to the most up-to-date and accurate information, facilitates collaboration and decision-making throughout the project lifecycle.

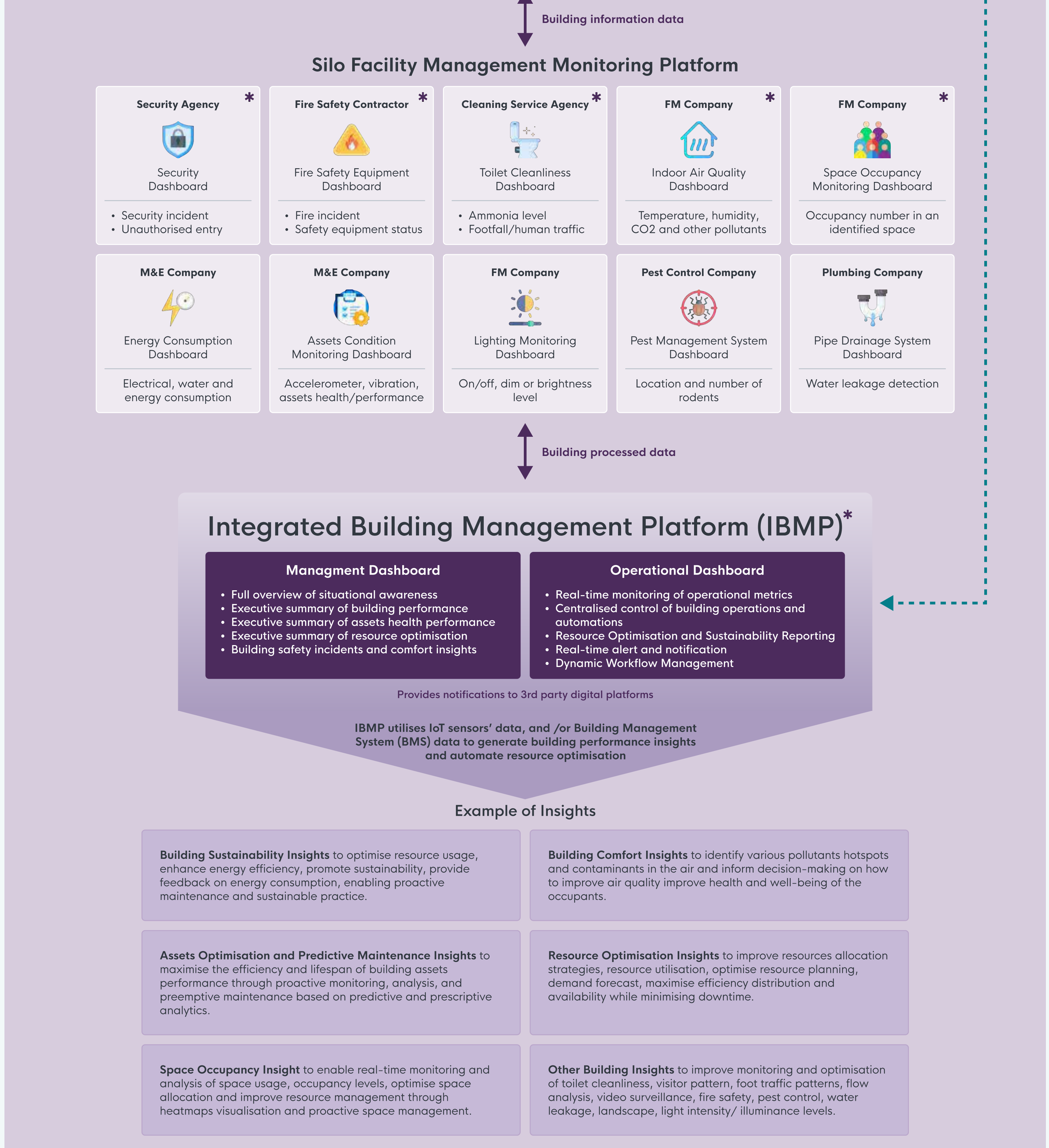


Integrated Building Management Platform (IBMP)

The Integrated Building Management Platform (IBMP) is a centralised system that uses Internet of Things (IoT), Artificial Intelligence (AI), and Data Analytics to enhance building performance.

It integrates with Facility Management (FM) digital platforms and/or Building Management Systems (BMS) to provide real-time monitoring and automated control of assets like HVAC, lighting, and security.

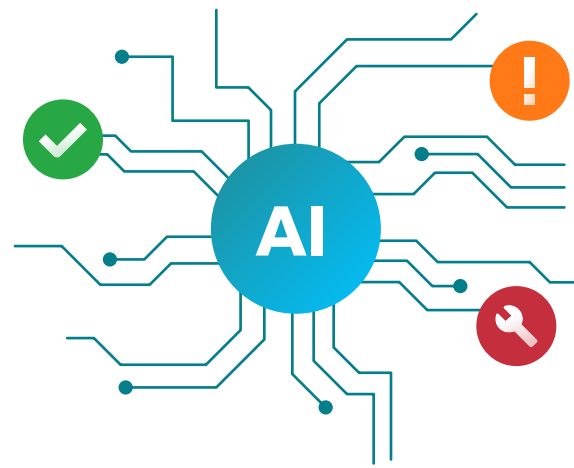
IBMP also offers a comprehensive view of building performance insights, enabling informed decision-making, regulatory compliance, optimised resource allocation. This helps buildings attain improved efficiency, safety, tenant wellness, and overall building sustainability.



4. AI for Built Environment

AI-enabled solutions help SMEs in the Built Environment to enhance operational efficiency, make informed decisions, and elevate safety and quality standards.

Examples of AI-enabled solutions for Built Environment:



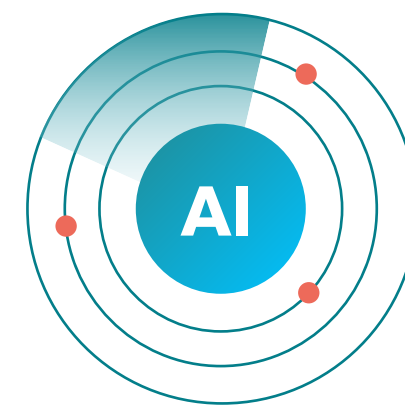
Asset Condition-based and Predictive Management

Predictive maintenance using AI algorithms to anticipate equipment failures and schedule maintenance proactively. AI-enabled remote monitoring systems can analyse real-time sensor data from asset to diagnose performance issues, identify potential faults, and provide actionable insights for maintenance teams.



Data and AI-driven Decision Support System

Analyse project performance data to compare it against industry standards and best practices, identifying opportunities for improvement and optimisation in project management, resource utilisation, and cost control.



Smart Inspection and Management

AI-enabled image recognition for automated defect detection during inspections. AI-driven analytics for real-time monitoring of safety and health risks on construction sites.

In leveraging AI-enabled solutions in the Built Environment sector, SMEs should consider the following:

- 1. System Integration:** Ensure AI solutions seamlessly integrate with existing systems and workflows, with a plan for change management and staff training.
- 2. Cost:** SMEs need to consider the cost of implementing AI solutions and ensure the benefits outweigh the cost. Businesses could start with use cases that offer most value.
- 3. Data:** SMEs will need access to high quality data necessary to power the AI solution. If the collected data contains personal identifiable information, due care needs to be exercised in the collection, processing and storage of these personal data to ensure that they are compliance with the Personal Data Protection Act.
- 4. Tamper-proofing:** SMEs need to ensure that the AI solution is secure and tamper-proof to prevent bad actors from compromising the system.

Generative AI

Generative AI (Gen-AI) enabled solutions help in the design, fabrication and construction phase.

Examples of Gen-AI Applications:

1. Supports architects to generate multiple design concepts and interior design options based on specific user inputs and site constraints.
2. Supports project managers with customised timeline reports and dashboards for real-time updates on progress.

5. Cybersecurity and Data protection Roadmap



Do you know this happened in the Built Environment sector?

In 2023, a construction company in Singapore was hit by a cyber attack. The network of servers in the company and its subsidiaries was accessed without authorisation and unencrypted data was compromised.

Tamper-proofing: SMEs need to ensure that the AI solution is secure and tamper-proof to prevent bad actors from compromising the system.

What do you or your employee need to know to protect your company?



Assets

Ensure employees practise good cyber awareness, including choosing strong passphrases for access to their environment.



Secure/Protect

Review employees' or third party partners' access into their environment.

Ensure the authentication is sufficiently robust.



Update

Perform regular software updates to prevent attackers from getting into your network through software vulnerabilities.



Backup

Have regular backups of critical business data stored separately.

This allows the recovery of lost data.



Respond

The top cybersecurity incidents in construction are ransomware, cloud misconfiguration and social engineering.

Develop an incident response plan to prepare for these common incidents.

This roadmap serves as a guide to introduce SMEs to cybersecurity and data protection measures at each of the three stages of growth. For more information, please refer to CSA [SG Cyber Safe programme](#), [Data Protection Essentials \(DPE\)](#) and [Data Protection Trustmark \(DPTM\)](#).

Cybersecurity		Data Protection
As the company increases its level of digitalisation		As the company increases its collection and use of personal data
Cyber hygiene measures for protection against common attacks		Basic data protection and security practices to protect clients' personal data & recover quickly from a data breach
 Cybersecurity Toolkits	>	 Data Protection Essentials (DPE)
 Cyber Essentials	>	
 Cybersecurity Solutions	>	
 CISO-as-a-Service cybersecurity consultants	>	
Risk assessment to assess if cybersecurity measures commensurate with enterprise risk profile		Accountable data protection practices to demonstrate compliance with the PDPA
 Cyber Trust	>	 Data Protection Trustmark (DPTM)
 Cybersecurity Solutions	>	

6. Digital Skills Training Roadmap

This Digital Skills Training Roadmap serves as a guide to equip your company and workers with the necessary skills (including change management) to adopt digital solutions at each stage of growth. Training programmes are aligned to Skills Framework and emerging areas under SkillsFuture Series.

Stage 1 Getting Ready for the Digital Economy	Stage 2 Growing in the Digital Economy	Stage 3 Leaping Ahead in the Digital Economy
 3D Modelling, Immersive, Visualisation and Analysis ✓ BIM Modelling for OpenBIM (IFC-SG) submission > ✓ CORENET X Regulatory Approval for Building Works (RABW) > ✓ Computational BIM >	 Built Environment Digital Platform ✓ Common Data Environment (CDE) > ✓ Integrated Digital Delivery (IDD) Management > ✓ Data Analytics for Built Environment >	 Data and AI-driven Decision Support System ✓ Data Analytics for Built Environment > ✓ Artificial Intelligence Application > ✓ Integrated Digital Delivery (IDD) Management >
 Quantity Surveying and Valuation ✓ BIM Data and Modelling (Architecture/MEP/Structure) > ✓ Digital contract management > ✓ BIM Modelling for OpenBIM (IFC-SG) submission >	 Coordinated Regulatory Approvals and Rule-Based Model Checker ✓ BIM Modelling for OpenBIM (IFC-SG) submission > ✓ CORENET X Regulatory Approval for Building Works (RABW) > ✓ BIM Model Checker >	 Robotics and Automation (R&A) ✓ Robotic and Automation Technology Application > ✓ Digital Construction Site Management > ✓ Artificial Intelligence Application >
 Digital Contract Management ✓ Digital Project Planning and Execution > ✓ Supply Chain Management > ✓ Digital contract management >	 Design for Manufacturing & Assembly (DfMA) ✓ Digital Logistics > ✓ Supply Chain Management > ✓ Digital Project Planning and Execution >	 Integrated Building Platform ✓ Smart Energy Management > ✓ Digital Twin > ✓ Integrated Facilities Management (FM) >
 Smart Inspection and Management ✓ Remote Monitoring > ✓ Digital Reality Capture > ✓ Digital/Smart inspections >	 Asset Condition-based and Predictive Maintenance ✓ Internet of Things Management > ✓ Smart Energy Management > ✓ Digital Twin >	
 Facilities Management (FM) Workflow Automation ✓ Smart Facilities Management (FM) > ✓ Internet of Things Management > ✓ Smart Energy Management >		

Training programmes aligned to Skills Framework and emerging areas under SkillsFuture Series.



Training programmes aligned to Digital Delivery Management (DDM) Competency Framework and Training Roadmap.

For assistance in company-led upskilling of existing employees in tech capabilities, including job redesign and redeployment, contact IMDA's Jobs Transformation Map (JTM) Training Partners.

Note: Course directory can be found at MySkillsFuture Course Directory

7. Get Started Today

CTO-as-a-Service is a one-stop self-help platform that allows your company to identify digitalisation needs, access market-proven solutions and engage digital consultants for customised advice.



Take a 5-minute Digital Health Check to see if you are digitally-ready

Answer a few simple questions to receive recommendations on the right digital solutions, grants and support based on your business profile.

[Start now](#)



Looking for digital solutions with grants or support

Browse over 400 digital solutions and software with grants or support eligible for small and medium enterprises (SMEs).

[Start now](#)



Digital Consultancy

Get complimentary Digital Consultancy and project management support to grow your business.

[Get Started](#)

Get Inspired!

Check out how some SMEs have successfully grown their business through digitalisation and keep up with the latest updates.

[Learn More](#)

8. Additional Information

Other references and valuable insights for you to get to know the sector better.

For SMEs

Business Advisory and Digital Consultancy

SME Centres managed by Trade Associations

- [Association of Small and Medium Enterprises \(ASME\)](#) >
- [Singapore Chinese Chamber of Commerce & Industry \(SCCCI\)](#) >
- [Singapore Indian Chamber of Commerce & Industry \(SICCI\)](#) >
- [Singapore Malay Chamber of Commerce & Industry \(SMCCI\)](#) >
- [Singapore Manufacturing Federation \(SMF\)](#) >

Cybersecurity and Data Protection

[CSA SG Cyber Safe Programme](#) >

[Cyber Essentials](#) >

[Cybersecurity Toolkits](#) >

[Cyber Trust](#) >

[Better Data Driven Business](#) >

[Data Protection Essentials](#) >

[Data Protection Trustmark](#) >

For Individuals

Capability Upgrading

[BCA Academy](#) >

[SkillsFuture for Digital Workplaces \(SFDW\) 2.0](#) >

[SkillsFuture Series](#) >

[MySkillsFuture Course Directory](#) >

[Singapore Polytechnic](#) >

[SCAL Academy](#) >

[STAS Training](#) >

[WSG's Career Connect](#) >

[e2i Career Centres](#) >

Industry Stakeholders

[Association of Consulting Engineers Singapore \(ACES\)](#) >

[Real Estate Developers' Association of Singapore \(REDAS\)](#) >

[Singapore Institute of Architects \(SIA\)](#) >

[Singapore Institute of Surveyors and Valuers \(SISV\)](#) >

[Singapore International Facility Management Association \(SIFMA\)](#) >

[Specialists Trade Alliance of Singapore \(STAS\)](#) >

[The Singapore Contractors Association Ltd](#) >

One-stop self-help platform

[CTO-as-a-Service](#) >

For ICM Vendors

[Vendors Self-Assessment Checklist](#) >