

7.2.1 Job Dashboards

Senior Project Manager

Megatrends impacting the Job Role in Short to Medium-Term

COVID-19	Multi-Skilling	Sustainable Construction/Buildings	Value Chain Aggregation & Integration	Workforce Challenges
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Technology Trends impacting the Job Role in Short to Medium-Term

BIM Technology	Data Analytics & AI	Digital Twin	Remote Monitoring
VR/AR	5G, IoT & Smart Buildings	Modular Construction	

Impact Assessment

M

MEDIUM

degree of change in tasks

Today

This job role manages numerous large-scale and complex projects for the organisation. Job holders are responsible for defining project scopes, objectives, plans and performance measuring criteria to ensure that the completion of project deliverables is in accordance with the required standards and expectations. Job holders also lead project reviews to identify synergies and areas of improvement across projects.

In the Future

This job role may **leverage technology to augment the management of large scale and complex projects**, utilising digital tools and platforms to monitor adherence of overall project delivery to quality, timeline and budgets. Job holders may leverage data availability and insights to **pre-emptively identify synergies and areas of improvements across projects**, and **actively apply necessary interventions to manage and minimise risks**. Job holders may also see **greater emphasis on versatility and understanding across functions** as the sector moves towards aggregation and integration, keeping abreast of trends and technologies to successfully **propose and implement continuous improvement initiatives**.

Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Review and evaluate project planning	L	<ul style="list-style-type: none">▶ Job holders will continue to ensure implementation and with regulatory and legislative requirements, processes and procedures, and will need to be aware of latest trends (e.g., sustainable construction) and regulations, and its impact on safety and sustainability.	Short-term
	M	<ul style="list-style-type: none">▶ Job holders may be expected to develop data interpretation capabilities to assess project requirements and project plans and identify and propose areas of improvement. Job holders may apply the use of digital tools (e.g., Data Analytics & AI) to explore variations of project plans, to define optimal project requirements and integrated project plans.▶ Job holders may also need to possess operational competency in using digital tools and platforms for project planning, ensuring compatibility across various disciplines and project teams to enable effective project management.	Short-term

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Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Review project progress and completion	M	<ul style="list-style-type: none"> Job holders will continue to manage stakeholders across the project lifecycle, to obtain approval and manage requests and expectations. Given the evolving nature of work towards hybrid arrangement, job holders may need operational competency in leading site meetings with various stakeholders using remote technology (e.g., Remote Monitoring, VR/AR). Digital tools (e.g., BIM Technology, Digital Twin) may provide job holders the means to monitor the management of overall project delivery across various disciplines and project teams. Job holders will require operational competency in the technologies to monitor project progress. Digital tools (e.g., Data Analytics & AI) may also be leveraged to assess resourcing needs in response to variations in project delivery. Job holders will need to assess and interpret data insights to identify gaps in project delivery and effectively address them to support progress and completion of projects. 	Short-term
Manage people and organisational functions	L	<ul style="list-style-type: none"> Job holders will need to continuously keep up to date with skills in-demand and apply the knowledge to identifying technical and business recruitment, training and development needs for the organisation. 	Short-term
Evaluate and implement proposed continuous improvement initiatives	L	<ul style="list-style-type: none"> Job holders will continue to evaluate feasibility of technology adoption and perform implementation, leveraging technical expertise and latest knowledge of technologies to facilitate this outcome. 	Short-term
	M	<ul style="list-style-type: none"> Digital tools (e.g., Data Analytics & AI) may enhance the conduct of cost-benefit analyses and generate more robust outcomes. Job holders will need capabilities to interpret the outcomes and apply findings to support the implementation process. Job holders will need to have capabilities to interpret and translate data gathered from digital tools and platforms into proposals for continuous improvement initiatives. 	Short-term

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The following TSCs/CCSs have been identified as in-demand/emerging for the job role going forward:

In-demand Technical Skills and Competencies		
Building Information Modelling Application	Construction Technology	Critical Thinking
Data Collection and Analysis	Integrated Digital Delivery Application	People Management
Project Risk Management	Regulatory Submission and Clearance	Stakeholder Management
Technology Application	Technology Scanning	
Emerging Technical Skills and Competencies		
Environmental Sustainability Management		
Emerging Critical Core Skills		
Digital Fluency	Transdisciplinary Thinking	