

7.2.1 Job Dashboards

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
----------	----------------	-------------------------------------	---------------------------------------	----------------------

Impact Assessment

M

MEDIUM

degree of change in tasks

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	

Today

Today, this job role is responsible for the overall planning, implementation, and completion of projects within specified cost, time and quality. Job holders maintain compliance with the relevant regulatory and legislative requirements, at all times, and play an active role in contributing to the organisation's continuous improvement initiatives.

In the Future

This job role may leverage technology to augment the overall planning, implementation and completion of projects, utilising digital tools and platforms to manage project stakeholders and project delivery. Job holders may need an **understanding and ability to apply technology in automating the preparation of project reports and documents** where possible, and **shift greater focus towards resolving issues** arising from project execution, risk management, safety management and quality assurance and control. Job holders may also see **greater emphasis on versatility and understanding across functions** as the sector moves towards aggregation and integration, so as to effectively manage projects and stakeholders and **actively contribute to continuous improvement initiatives**.

Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Manage project planning	M	<ul style="list-style-type: none"> Job holders may need an understanding of smart contracting technology (e.g., Blockchain) to support preparation of contractual and tender documents, and may see this task automated by the use of digital tools (e.g., RPA). 	Medium-term
	M	<ul style="list-style-type: none"> Job holders continue to be responsible to manage various disciplines and project teams to integrate overall project plans, and may leverage digital planning tools (e.g., BIM Technology, Data Analytics & AI) to enhance identification of project requirements, regulatory and legislative prerequisites in consideration for project execution. Job holders will need an understanding of the impact of trends and application of technologies across various disciplines and project teams, so as to identify project requirements accurately (e.g., choice of design and construction methods) and enhance the integrity of overall project plans. 	Short-term

7.2.1 Job Dashboards

Project Manager

Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Manage project progress and completion	M	<div><div>▶ Digital tools and platforms (e.g., RPA, Data Analytics & AI, BIM Technology) may augment the preparation of project progress reports and relevant documentations in an efficient manner.</div><div>▶ Job holders continue to be responsible for management of project progress and completion, and may need to anticipate and address any issues and manage overall project delivery across various disciplines and project teams.</div><div>▶ Given the evolving nature of work towards hybrid arrangement, job holders may need operational competency in conducting site meetings with various stakeholders using remote technology (e.g., Remote Monitoring, VR/AR).</div></div>	Short-term
Gather data for and assess viability of proposed continuous improvement initiatives	M	<div><div>▶ Digital tools (e.g., Data Analytics & AI) may augment the viability assessment of continuous improvement initiatives. Job holders will thus need capabilities to apply these digital tools in their assessment, and to keep up with technological trends to understand their impact on assessment outcomes.</div></div>	Medium-term

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	Project Risk Management
Regulatory Submission and Clearance	Stakeholder Management	Technology Application
Emerging Technical Skills and Competencies		
Environmental Sustainability Management		
Emerging Critical Core Skills		
Digital Fluency	Transdisciplinary Thinking	