

7.2.1 Job Dashboards

Site Supervisor/Trade Supervisor/Project Coordinator

Megatrends impacting the Job Role in Short to Medium-Term				Impact Assessment
COVID-19	Multi-Skilling	Value Chain Aggregation & Integration	Workforce Challenges	<p>MEDIUM degree of change in tasks</p>
<th>Technology Trends impacting the Job Role in Short to Medium-Term</th>				
BIM Technology	Data Analytics & AI	Digital Twin	Remote Monitoring	
RPA	5G, IoT & Smart Buildings	Modular Construction		



Today

Today, this job role is responsible for supporting the day-to-day operations of the construction site, from site preparations to build-out. Job holders coordinate between the various disciplines and construction teams.



In the Future

This job role may leverage technology in the support of day-to-day operations of the construction site, automating tasks such as document and information collation. Job holders may need an **understanding of technology application** to facilitate **efficient coordination and communication** across disciplines and construction teams, and to perform supervision of work activities (that may transit to remote supervision).

Job Tasks Today	Impact at Task-level / Future view of Job Tasks	Time Horizon
Support construction phase	<p>M</p> <ul style="list-style-type: none"> Job holders continue to be responsible for supporting the management of operations and associated risks and will see continued focus on compliance and risk management. Job holders may be expected to utilise digital communication tools and platforms (e.g., BIM Technology, Digital Twin), and be aware of trends and technologies (e.g., DfMA) to better support coordination and communication across various disciplines and construction teams. Job holders may need an understanding and ability to utilise digital tools (e.g., Remote Monitoring, IoT) to carry out regular inspections and supervision remotely, with continued focus on ensuring compliance to regulatory and legislative requirements, processes and procedures. However, job holders may still need exposure to on-site activities to gain necessary construction site experience. Job holders may also need to adopt the use of robotic and technology automation in execution of construction plans, and will need to be familiar with its application for successful execution. 	Short-term
Support project completion and closure	<p>H</p> <ul style="list-style-type: none"> Compilation and tracking of errors, defects and variations may be automated by digital tools (e.g., RPA, AI). 	Short-term
	<p>M</p> <ul style="list-style-type: none"> Digitalisation of databases and documentation will require job holders to understand the application of digital tools and platforms, to support the preparation and collation of technical documents for project handover and closure. 	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		
Construction Technology	Critical Thinking	Design for Manufacturing and Assembly
Project Risk Management	Regulatory Submission and Clearance	Stakeholder Management
Technology Application		
Emerging Technical Skills and Competencies		
Environmental Sustainability Management	Robotic and Automation Technology Application	
Emerging Critical Core Skills		
Digital Fluency	Transdisciplinary Thinking	