

7.2.1 Job Dashboards

# Technical Executive

Megatrends impacting the Job Role in Short to Medium-Term			
COVID-19	Multi-Skilling	Value Chain Aggregation & Integration	Workforce Challenges

Impact Assessment
<p><b>MEDIUM</b> degree of change in tasks</p>

Technology Trends impacting the Job Role in Short to Medium-Term			
BIM Technology	Blockchain	Data Analytics & AI	Digital Twin
Remote Monitoring	RPA	Robots & Automation	VR/AR
5G, IoT & Smart Buildings	Modular Construction		

Today

This job role performs inspections on preventive and corrective maintenance activities, closes fault calls or escalates matters up, manages third party service deliverers to ensure timely maintenance and repair works, and develops safety reports.

In the Future

This job role may **leverage technology in performing inspections on maintenance activities, enabling remote inspection and supervision opportunities**. Job holders may need an understanding of technology application so as to **effectively perform on-the-job coaching** where required, and manage a team of technicians effectively. Job holders may need to keep abreast of evolving trends and technologies to **successfully implement continuous improvement initiatives**, and be able to recommend relevant ways to improve environmental sustainability in the course of their work.

Job Tasks Today	Impact at Task-level / Future view of Job Tasks	Time Horizon
Inspect and check facility operations activities	<p><b>M</b></p> <ul style="list-style-type: none"> <li>Job holders may need competencies in <b>operating digital tools that enable remote inspection and supervision</b> (e.g., Remote Monitoring).</li> <li>Job holders may also <b>require stronger communication and collaboration skills in the management of third party service providers</b> as the sector moves towards greater integration and aggregation.</li> </ul>	Short-term
	<p><b>H</b></p> <ul style="list-style-type: none"> <li>Digital tools (e.g., RPA) can automate procurement processes for consumable and non-consumable items, and perform documentation checks on procedures and schedules of maintenance works.</li> </ul>	Short-term
Assist in budgets and contracts	<p><b>M</b></p> <ul style="list-style-type: none"> <li>Job holders may need to <b>understand smart contracting technologies</b> (e.g., Blockchain) in drafting of maintenance contracts and SLAs.</li> </ul>	Medium-term
	<p><b>M</b></p> <ul style="list-style-type: none"> <li>Digital tools (e.g., Data Analytics &amp; AI, IoT) may be <b>leveraged to enhance the identification of servicing needs and schedules</b> in an efficient manner.</li> </ul>	Short-term

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Job Tasks Today	Impact at Task-level / Future view of Job Tasks	Time Horizon
Support investigations and develop reports on safety and sustainability	M <ul style="list-style-type: none"> <li>In view of the trend towards sustainability, job holders may see <b>increasing emphasis on proposing data-driven recommendations to improve environmental sustainability</b>, augmented by an awareness of latest trends and technologies.</li> </ul>	Short-term
Manage people and organisation	M <ul style="list-style-type: none"> <li>Job holders will be <b>expected to continue managing a team of technicians and perform on-the-job coaching</b> in response to impact on tasks as a result of trends and technologies.</li> </ul>	Short-term
Engage in continuous improvement	M <ul style="list-style-type: none"> <li>Job holders will need to be <b>equipped with operational capability for application of smart facilities management trends or technologies</b>, to continue providing inputs for improvement within the facility.</li> </ul>	Short-term

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

In-demand Technical Skills and Competencies		
Contract Administration and Management	Data Collection and Analysis	Green Facilities Management
People Management	Smart Facilities Management	Stakeholder Management
Technology Application		
Emerging Technical Skills and Competencies		
Critical Thinking	Environmental Sustainability Management	
Emerging Critical Core Skills		
Digital Fluency	Transdisciplinary Thinking	

