Impact of Industry Transformation

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7.2.4 Emerging job roles dashboards

Specialist (Digital FM/ Engineering)

Estimated Time Horizon: Short-term

Trends Impacting This Role

Technology trends such as Data Analytics & Al, Digital Twin, Robots & Automation, Remote Monitoring and 5G, IoT & Smart Buildings.

Other Considerations

Companies seeking to enhance workplace productivity through automating current and new FM systems and processes, can leverage this specialised iob role.

Responsibilities of the Role

The Specialist (Digital FM/Engineering) is responsible for designing, coding, testing, implementing and troubleshooting digital FM technologies and platforms into current operations and work processes. The job holder will also communicate with teams and stakeholders to drive digital FM by using integrated systems to automate facilities management functions and as a result deliver a cost-effective, comfortable and sustainable environment.

Job Tasks

Collaboration

FACILITIES MANAGEMENT

- Design, implement and maintain digital FM technologies and platforms i.e., Building Information Modelling (BIM), Building Management System, Building Automation System etc. that facilitate the automation of FMrelated operations and work processes
- Facilitate FM systems improvements and troubleshoot systems to ensure functional operations
- Communicate and coordinate with teams and stakeholders to understand specific requirements and demands in the automation of FM functions, to ensure alignment across all stakeholders
- Propose technical solutions and improvement based on analyses of available digital FM technology options

Technical Skills and Competencies			
Application Support and Enhancement	Asset Management	Autonomous Systems Technology Application	Building Information Modelling Application
Building Management System Implementation and Control	Business Performance Management	Change Management	Commissioning and Start- up Management
Common Data Environment Management	Condition-based Assets Monitoring Management	Continuous Improvement Management	Critical Thinking
Emerging Technology Synthesis	Facilities Shut-down and Re-start	Green Facilities Management	Integrated Digital Delivery Application
Inventory Management	Process Improvement and Optimisation	Programming and Coding	Quality System Management
Robotic and Automation Technology Application	Security Surveillance Management	Smart Facilities Management	Stakeholder Management
Systems Thinking	Technology Application		
Critical Core Skills			
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Note: Skills highlighted are not exhaustive but have been preliminarily identified as potentially most pertinent to the job role and may be adjusted based on individual organisational strategy and needs

Digital Fluency





Transdisciplinary Thinking



Communication

1 2 3 4 5 6

Executive Summary

Overview of the Study Impact of Industry
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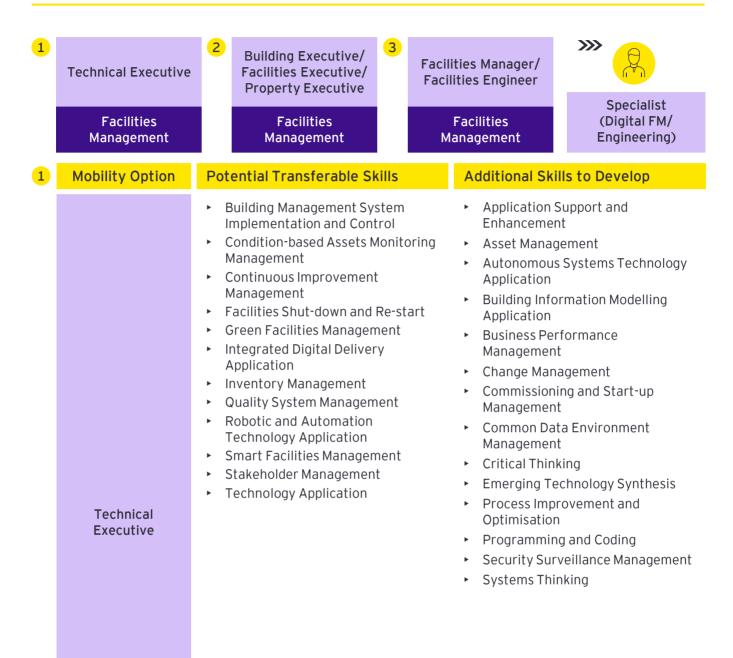
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7.2.5 Reskilling roadmaps

Specialist (Digital Facility Management/ Engineering)



Facilities Management



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Overview of the Study

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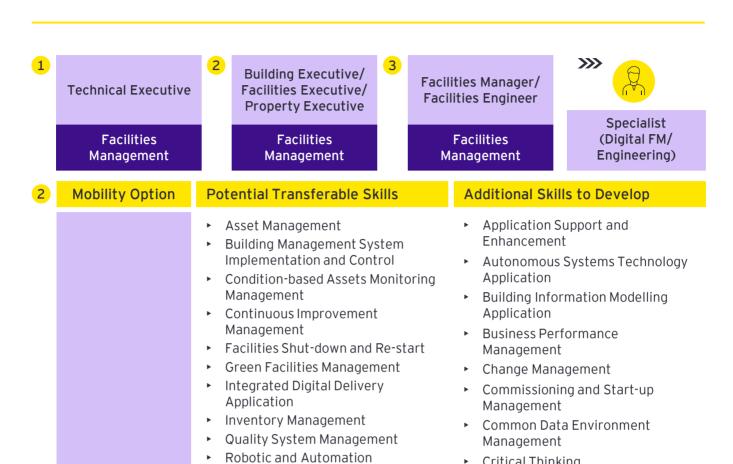
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7.2.5 Reskilling roadmaps

Specialist (Digital Facility Management/ Engineering)



Building Executive/ Facilities Executive/ Property Executive

Stakeholder Management **Technology Application**

Technology Application

Security Surveillance Management

Smart Facilities Management

Process Improvement and Optimisation

Emerging Technology Synthesis

Critical Thinking

Programming and Coding

Systems Thinking

Facilities Management



1 2 3 4 5 6

Executive Summary

Overview of the Study Impact of Industry
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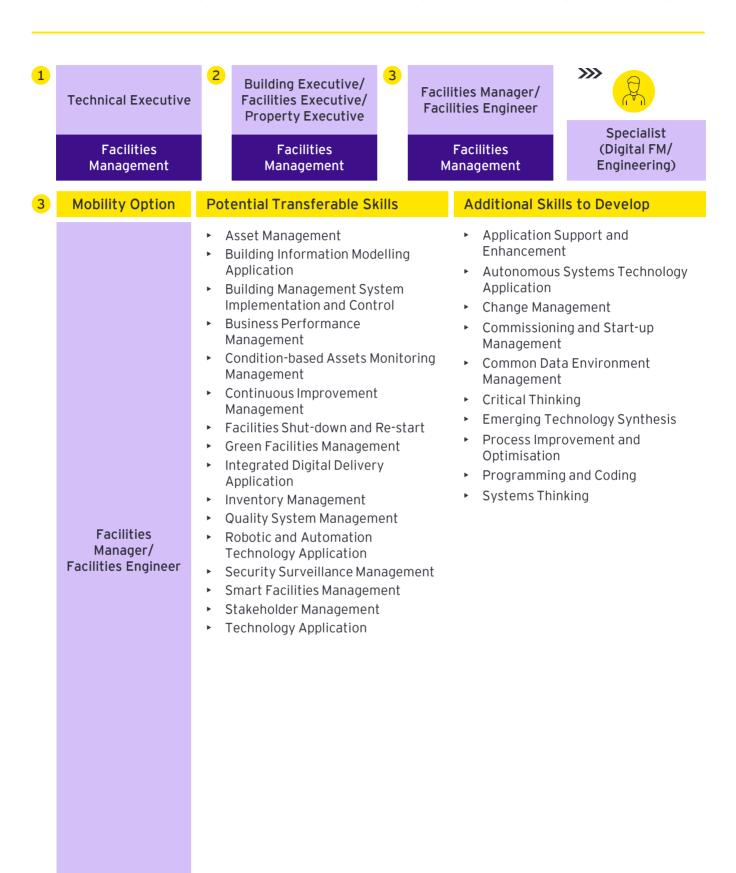
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7.2.5 Reskilling roadmaps

Specialist (Digital Facility Management/ Engineering)





Facilities Management