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 & AI, 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 job 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

▸ 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 FM-related 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

Collaboration	Communication	Digital Fluency	Transdisciplinary Thinking

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.

FACILITIES MANAGEMENT

7.2.5 Reskilling roadmaps

Specialist (Digital Facility Management/ Engineering)

1 Technical Executive

Facilities Management

2 Building Executive/ Facilities Executive/ Property Executive

Facilities Management

3 Facilities Manager/ Facilities Engineer

Facilities Management

⟫

Specialist (Digital FM/ Engineering)

1 | Mobility Option | Potential Transferable Skills | Additional Skills to Develop |

Technical Executive

Potential Transferable Skills
- Building Management System Implementation and Control
- Condition-based Assets Monitoring Management
- Continuous Improvement Management
- Facilities Shut-down and Re-start
- Green Facilities Management
- Integrated Digital Delivery Application
- Inventory Management
- Quality System Management
- Robotic and Automation Technology Application
- Smart Facilities Management
- Stakeholder Management
- Technology Application

Additional Skills to Develop
- Application Support and Enhancement
- Asset Management
- Autonomous Systems Technology Application
- Building Information Modelling Application
- Business Performance Management
- Change Management
- Commissioning and Start-up Management
- Common Data Environment Management
- Critical Thinking
- Emerging Technology Synthesis
- Process Improvement and Optimisation
- Programming and Coding
- Security Surveillance Management
- Systems Thinking

Facilities Management

7.2.5 Reskilling roadmaps

Specialist (Digital Facility Management/ Engineering)

1 Technical Executive

Facilities Management

2 Building Executive/ Facilities Executive/ Property Executive

Facilities Management

3 Facilities Manager/ Facilities Engineer

Facilities Management

⋙

Specialist (Digital FM/ Engineering)

2

Mobility Option	Potential Transferable Skills	Additional Skills to Develop
Building Executive/ Facilities Executive/ Property Executive Facilities Management	‣ Asset Management ‣ Building Management System Implementation and Control ‣ Condition-based Assets Monitoring Management ‣ Continuous Improvement Management ‣ Facilities Shut-down and Re-start ‣ Green Facilities Management ‣ Integrated Digital Delivery Application ‣ Inventory Management ‣ Quality System Management ‣ Robotic and Automation Technology Application ‣ Security Surveillance Management ‣ Smart Facilities Management ‣ Stakeholder Management ‣ Technology Application	‣ Application Support and Enhancement ‣ Autonomous Systems Technology Application ‣ Building Information Modelling Application ‣ Business Performance Management ‣ Change Management ‣ Commissioning and Start-up Management ‣ Common Data Environment Management ‣ Critical Thinking ‣ Emerging Technology Synthesis ‣ Process Improvement and Optimisation ‣ Programming and Coding ‣ Systems Thinking

7.2.5 Reskilling roadmaps

Specialist (Digital Facility Management/ Engineering)

1 Technical Executive

Facilities Management

2 Building Executive/ Facilities Executive/ Property Executive

Facilities Management

3 Facilities Manager/ Facilities Engineer

Facilities Management

Specialist (Digital FM/ Engineering)

3 | **Mobility Option** | **Potential Transferable Skills** | **Additional Skills to Develop** |

Facilities Manager/ Facilities Engineer

Potential Transferable Skills
- Asset Management
- Building Information Modelling Application
- Building Management System Implementation and Control
- Business Performance Management
- Condition-based Assets Monitoring Management
- Continuous Improvement Management
- Facilities Shut-down and Re-start
- Green Facilities Management
- Integrated Digital Delivery Application
- Inventory Management
- Quality System Management
- Robotic and Automation Technology Application
- Security Surveillance Management
- Smart Facilities Management
- Stakeholder Management
- Technology Application

Additional Skills to Develop
- Application Support and Enhancement
- Autonomous Systems Technology Application
- Change Management
- Commissioning and Start-up Management
- Common Data Environment Management
- Critical Thinking
- Emerging Technology Synthesis
- Process Improvement and Optimisation
- Programming and Coding
- Systems Thinking

Facilities Management