04 DIGITAL ROADMAP

This digital roadmap serves as a guide for your company as you embark on your digital journey.

STAGE 01	STAGE 02	STAGE 03
Getting Ready for the Digital Economy	**Growing in the Digital Economy**	**Leaping Ahead**
Streamlined Operations, Optimised Resources	**Integration of Assets, Enhanced Production Capabilities**	**Autonomous Operations, Intelligent Business**

STAGE 01

M&OE Enterprise Resource Planning (ERP):

- Sales & Accounting Management
- Relationship Management
- Workforce Optimiser
- Project and Scheduling Management
- Asset Monitoring and Management System

- e-Permit to Work
- 3D Scanning & Modelling

STAGE 02

- e-Procurement
- Augmented Reality and Virtual Reality (AR/VR) Simulation
- Predictive Equipment Monitoring & Maintenance
- Centralised Platform with Data Analytics

STAGE 03

- Virtual Inspection & Certification
- Autonomous Robots & Drones for Operations
- Automated Warehousing & Robotics Operations
- Digital 3D Twin

BUSINESS CAPABILITIES
Document Management, Fleet Management, Cybersecurity

Note: This roadmap will be updated over time as digitalisation of the industry progresses and new technologies are introduced.

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05 DIGITAL ROADMAP ON TRAINING

This training roadmap serves as a guide to prepare companies and their workforce to adopt digital solutions at each stage of growth.

	STAGE 01 GETTING READY FOR THE DIGITAL ECONOMY	**STAGE 02** GROWING IN THE DIGITAL ECONOMY	**STAGE 03** LEAPING AHEAD
"TECH BASICS" All employees	• SkillsFuture for Digital Workplace (SFDW) • Effective Digital Marketing and Sales • Robotic Process Automation • Fundamentals of Data Analytics • Digital Learning Basic Workshop (for employees to learn "how to learn online")	• Introduction to Predictive Analytics for Maintenance • Intermediate Robotic Process Automation • Strategies for Effective Data and Information Management • Internet of Things (IoT) for Engineers	• Fundamentals of Drones/ Unmanned Aerial Vehicle (UAV) • Learn how to implement Internet of Things (IOT) Solutions in a 2-day Bootcamp • Introduction to Artificial Intelligence (AI) and Machine Learning
	Vendor Solution-Specific Training		
"TECH ADVANCED" Employees that use or are exploring advanced tech in their work /organisation	• Analytics for Enterprises • Data Analytics for Engineers • Project Planning & Scheduling (Microsoft Project 2016) • Data Storytelling (TeSA) • Tableau Desktop I and Desktop II (TeSA)	• Appreciation of IoT and Data Management • Industrial Robotised Polishing • DS101: Introduction to Python Programming (TeSA) • DS102: Data Analytics with Python (TeSA)	• Introduction to Advanced Robotics • Analytics and Computational Modelling • Collaborative Robots Programming and Applications
	Training programmes are aligned to the **Skills Framework** and emerging areas under the **SkillsFuture Series**		

"Tech Basics" and "Tech Advanced" Courses Directory:
https://www.myskillsfuture.gov.sg/courses

TeSA Courses Directory:
https://www.imda.gov.sg/imtalent/training-and-courses

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