MITA's role in the



# Digital Transformation of Maltese Public Administration

ITAPA 2019 International Congress

12th November 2019

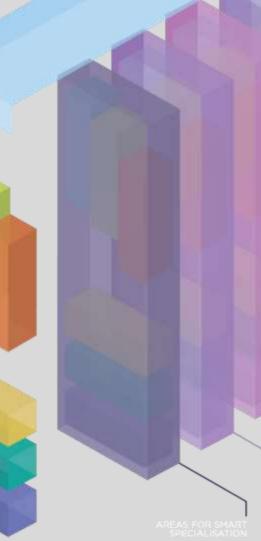
Emanuel Darmanin Head, Strategy & Business

# Digital Malta

"Malta will prosper as a digitally-enabled nation in all sectors of society." 2014 - 2020

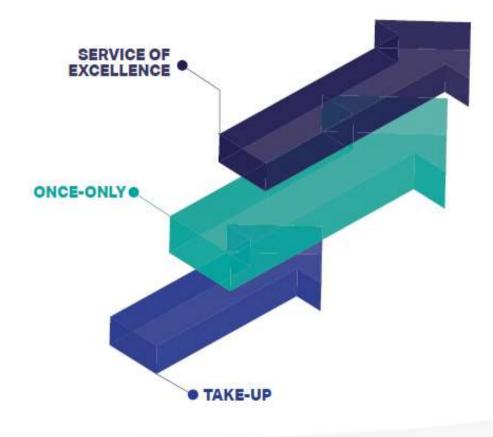
https://digitalmalta.org.mt/en/Pages/Home.aspx





## Mapping Tomorrow

"A Public Administration Empowered by Digital transformation" 2019 - 2021



https://publicservice.gov.mt/en/Documents/MappingTomorrow\_StrategicPlan2019.pdf

# Mapping Tomorrow – Principles

#### **Specific**

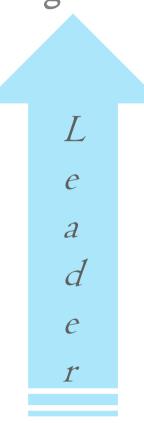
- Client-Centricity
- One Government
- Sharing and Re-use
- End-to-End Services
- Digital by Default
- Process Reengineering

#### Generic

- Trust
- Stronger Awareness
- Security and Privacy
- Agility and Continuous Improvement
- Accessibility
- Availability
- Ongoing Investment and Celebrating Success
- Interoperability and Cross-Border

# Mapping Tomorrow – Emerging Technologies

- Artificial Intelligence
- Internet of Things
- Distributed Ledger Technologies
- Business Intelligence and Analytics
- Immersive Technologies



# Mapping Tomorrow – Pillars

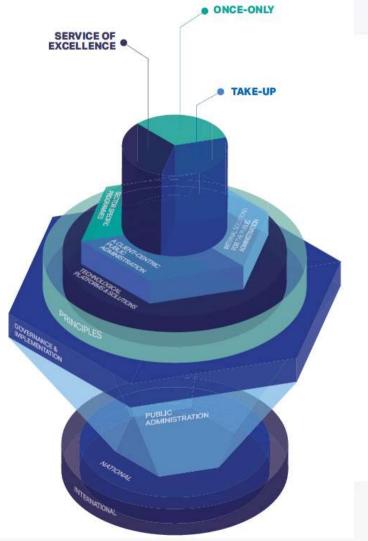
A Client-Centric Public Administration

Sector Specific Programmes

 Internal Solutions for the Public Administration

Technological Platforms and Solutions

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## Malta: The Ultimate AI Launchpad 2019 - 2030

Investment, Start-ups & Innovation

Public Sector Adoption Private Sector Adoption

Education & Workforce

Legal & Ethical Framework

Infrastructure

https://malta.ai/wp-content/uploads/2019/10/Malta The Ultimate AI Launchpad vFinal.pdf

#### AI & The Public Administration

- Creating an AI Powered Government
- Implementing high-profile projects:
  - Provide better services to citizens / businesses
  - Improve economic and social well-being of citizens / businesses
  - Improve the internal operations of the public administration
- Implementing policy actions to encourage procurement of smart technology-based solutions.

#### AI Selected Use-Cases









# Specific Use-Cases within the Public Sector





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## MITA

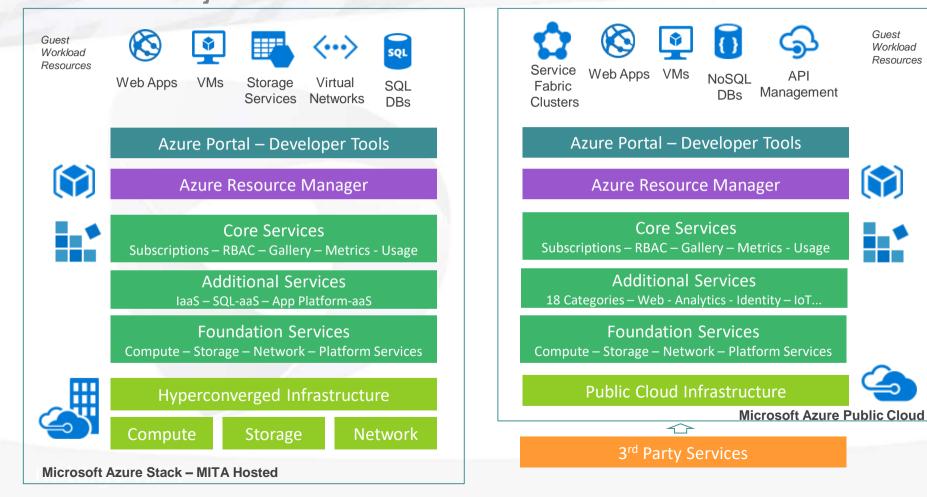
- Central driver of Government's ICT policy and strategy
- Deliver and Manage IS across Government to enable reform and innovation.
- Provides the infrastructure and services to Government
- Encourage take-up of ICT in the wider economy

## MITA Technology Platforms and Solutions

- Hybrid Cloud
- Shared Platforms:
  - Workflow Solution, Collaboration, National Data Portal
  - eGov Platforms: Notifications Platform, Payment Gateway, User Authentication Services (eID)
- ICT Infrastructure and Collaboration:
  - Government Network, Email, Internet, Identity Management
  - Modern Workplace,



#### MITA Hybrid Cloud



#### Hybrid Cloud – Characteristics...1

- Part on Premise Microsoft Azure Stack:
  - MITA Tier III Data Centre
  - MITA Secondary Data Centre

- Part on Microsoft Azure Public Cloud:
  - West-Europe
  - North-Europe

## Hybrid Cloud - Characteristics ...2

- Subscription & Pay-per-use
- On-premise Cloud vs Off-premise Cloud
- Roles:
  - MITA retains ownership
  - Supplier has contributor role
  - Access to MITA / Public Administration CIO teams
- Requires that MITA & Public Administration CIOs:
  - Are onboard
- **1** ta **9** VDo proper governance and ongoing monitoring

## Hybrid Cloud – Strategic Drivers

- Corporate identity one-Government
- Horizontalization sharing of data and resources
- Facilitates modernisation of Information Systems
- Economies of Scale
- Standardisation and Interoperability
- Self-service by Public Administration CIOs
- Disaster Recovery & Business Continuity

## Hybrid Cloud – Business Drivers

- Reduce Idle resources
- Time to Market
  - SAAS and Self Service
- Legal & Regulatory
  - GDPR
  - Sovereignty
- Demand / Supply
- Cost optimisation

## Hybrid Cloud – Technical Drivers

- Improved Performance
- Capitalise on emerging / 'latest' technologies
- Easier to upscale
- Integration to legacy systems
- Security
- Data Volume

#### MITA Hybrid Cloud

Legacy Services



Hybrid Services

#### Security

- Security Profile:
  - SOC
  - MTCERT

- Cybersecurity:
  - Strategy
  - Awareness Campaign

- Policy
- Legislation
- Risk Management
- Culture
- Education
- Civil Society
- Public Sector
- Private Sector





## **Thank You**



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