

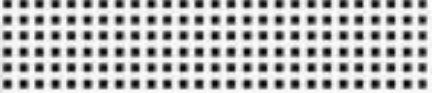
MTC Business and Partnership Opportunities



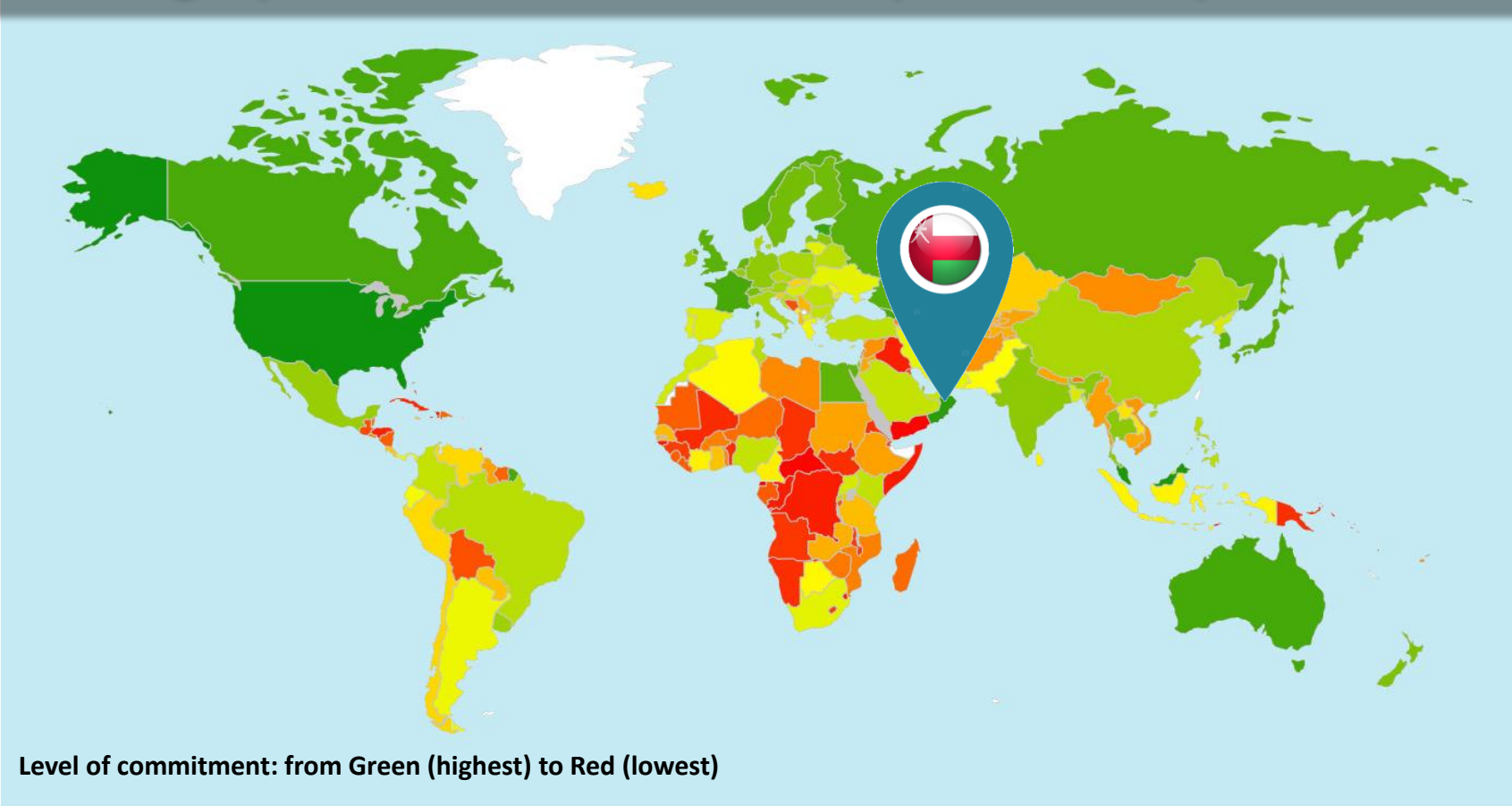


MTC Business and Partnership Opportunities

- Cyber Security
- Commercialization of local IPs
- Digital Transformation



According to GCI, Out of the 193 Member States, Oman is one of the highly ranked countries for cybersecurity commitments



Cybersecurity has been identified as a critical strategic pillar of the digital Oman strategy

Source: ITU Global Cybersecurity Index, 2018

Regional and Global Recognitions

1

Oman ITU RCC



The first ITU Regional Cybersecurity Centre (RCC) has been set up in Oman and is hosted by the Information Technology Authority (ITA) of Oman and Oman CERT.

2

Ranked 16th in GCI



Ranked 2nd in the Arab world and 16th globally in cybersecurity readiness in the Global Cyber Security index GCI.

3

Chair of OIC-CERT



Elected to be the chair of the board of the organization of Islamic cooperation CERT , OIC-CERT . the OIC is considered to be the second largest organization after the united nation with 57 member states and an observation status at the UN

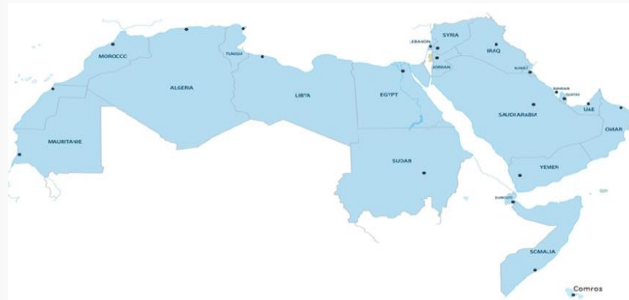
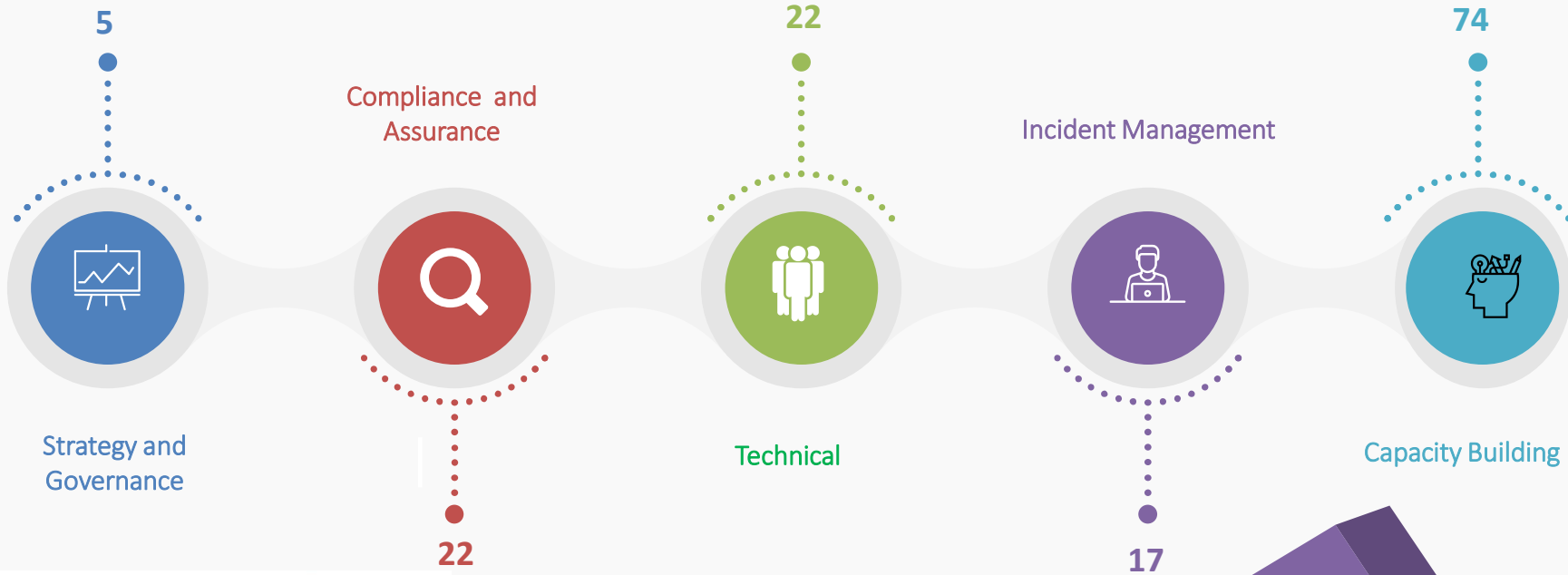
4

WSIS Prize in 2018



Obtained the world Information Society Summit (WSIS) prizes in the area of building security and confidence in the use of ICT

140 Cyber Security project and Initiatives Delivered



Cyber Security Development and innovation

1- Data collection:

Developed process model using Artificial Intelligence and Machine learning to gather, measure and normalize Feeds from countless different sources based on attack types which leads to reduce the capacity storage of collected data feeds.

2- Data forecasting:

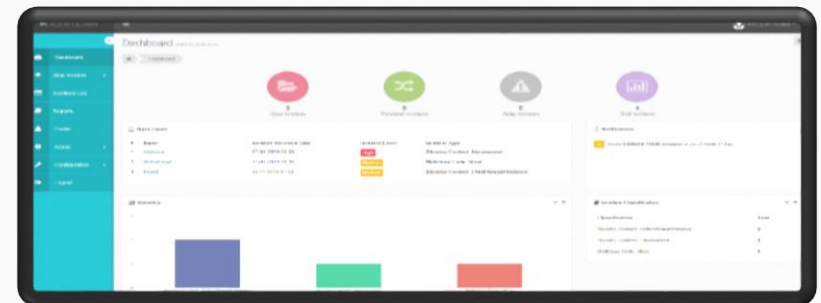
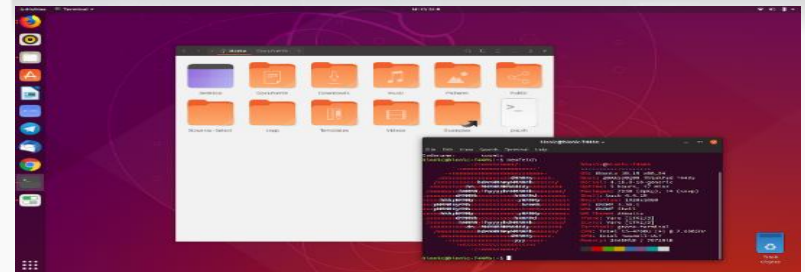
Developed predictive models using machine learning algorithms that look for trends and predict future attacks changes.

3- Website Monitoring:

Developed a systematic government website monitoring that is using Machine learning and integrated with national Cyber early warning system to produce automated security alert notifications

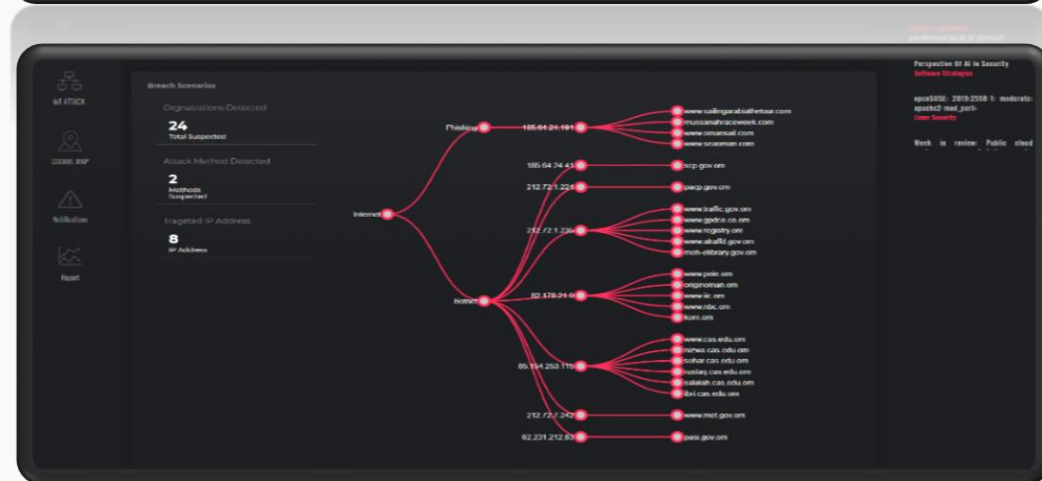
4- Cyber Incident Management

Cyber Incident Management System (CIMS) developed based on ITIL standards to log and track cyber incidents and enhance team operation to meet SLA and ensure quality of incident handling between incident responders and other teams.



CEWS developed to monitor 5 types of attacks:

- Malware attacks
- Network Attacks
- Web attacks
- IoT attacks
- phishing attacks



Cyber Early Warning System(CEWS)

Introduction:

CEWS (Cyber Early Warning System) is a threat intelligent system that provide early warnings of cyber security threats against countries cyber space by utilizing different methods to detect and analyze attacks generated from Multiple sources.

- Utilizing AI and machine Learning to detect various attacks types
- It predicts possible attack scenarios to specific target Organizations

productizing and commercialization of Local IPs

Oman have developed some high quality products and IPs that have the potential to be commercialized nationally and internationally

Healthcare

Al Shifa:

Comprehensive hospital information management system.

NEHR:

National electronic health record.

Personal health record:

Health record portal & mobile application.

Ajyal:

Central birth & death system.

These IP's adhere to international standards and can enhance clinical documentation, resulting in reduced human errors and better communication improving efficiency and patient treatment quality.



Law

Case Management system:

End-to-end workflow & service management for the judiciary process.

This system solves national and global needs in terms of slowness in judiciary cases, non-standard process in courts, availability of proper data, providing proper and accurate statistics and analysis, case history, measuring performance of employees and judges and the need to go physically to the courts to follow up on cases



مجلس الشؤون القضائية
Judiciary Affairs Council

Education

Education Portal:

This portal is built on open sources and provides multiple solutions to students, parents and teaching staff.

Higher Education Admission Center:

The HEAC portal has centralized students admission process to higher education institutions into one place.



Investment

Invest Easy:

This system helps to set up and manage companies in Oman.

It helps to minimize paperwork and save costs & time as well as provide citizens, entrepreneurs, & prospective investors and businesses with the services and information they need in a quick and efficient manner.



Digital Transformations

Public Private Partnership (PPP)

PPP Model

Project Cost funded by the Vendor



Service Based

Percentage of the Service cost to be shared with the vendor based upon the estimated project cost

Revenue Based

Percentage of revenue need to be shared with the vendor based upon the estimated project cost

Approach

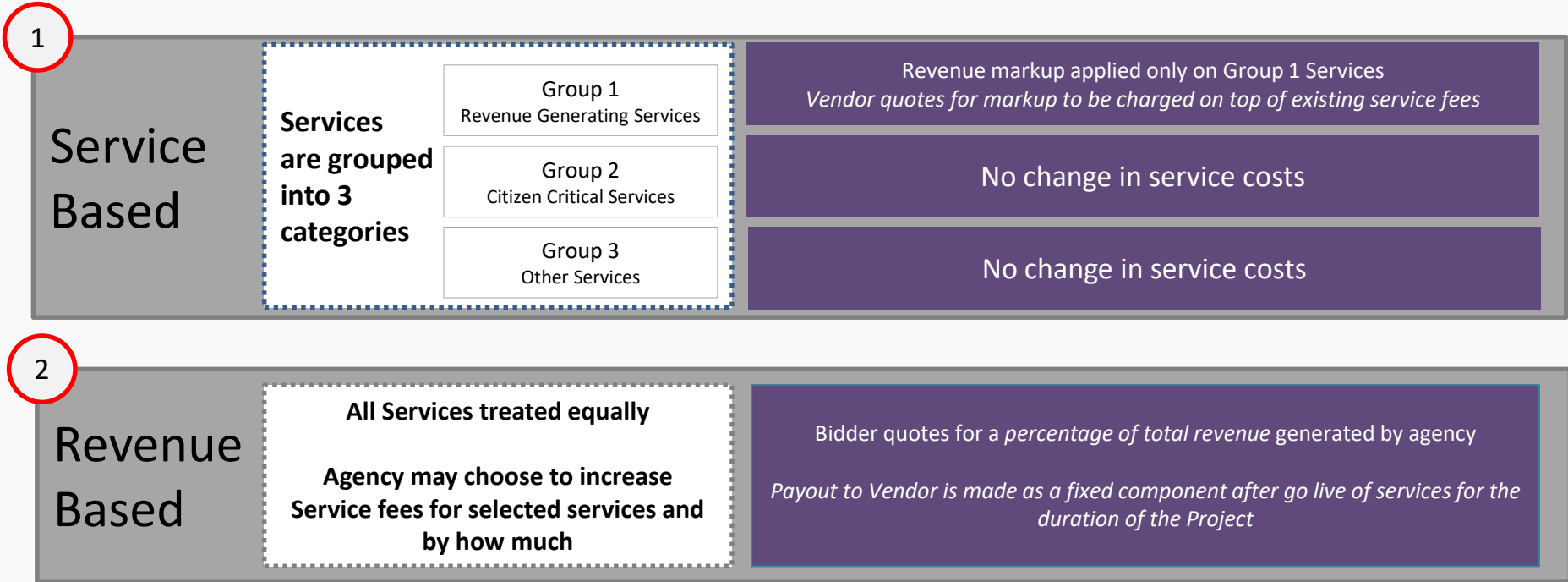
- ✓ Funded by the Vendor – No initial investment
- ✓ Funded by increasing selected Service costs or as a percentage of Revenue
- ✓ Service costs increase only after Services Go Live
 - ✗ Vendor takes profit markup

SCOPE

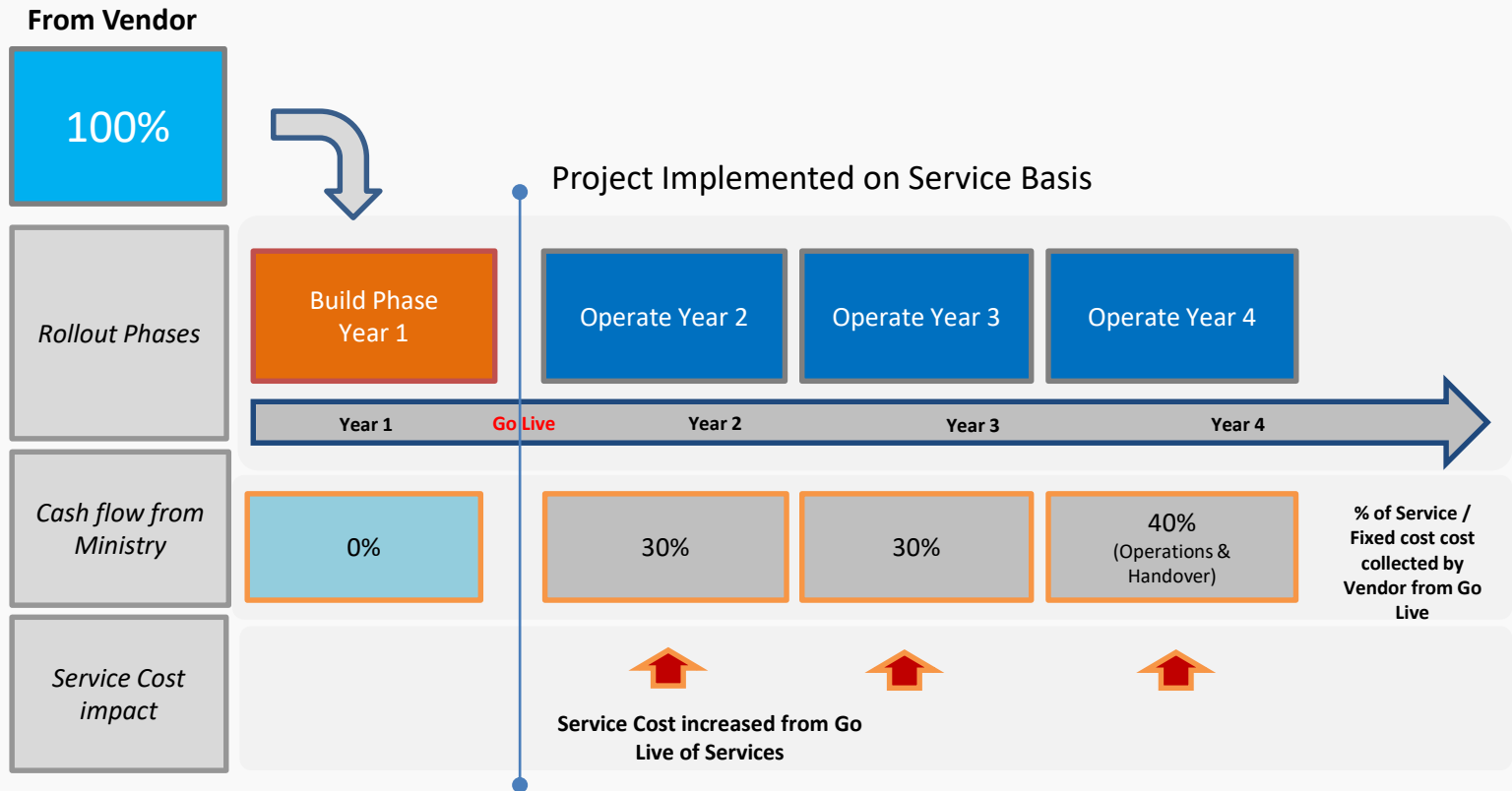
Business Process Reengineering, Core services automation, Managed Operations, Maintain target SLA levels, Knowledge Transfer to Ministry staff, Hardware upgrades, Software License renewal, Web Services integration

Agency PPP Approach Financial Model

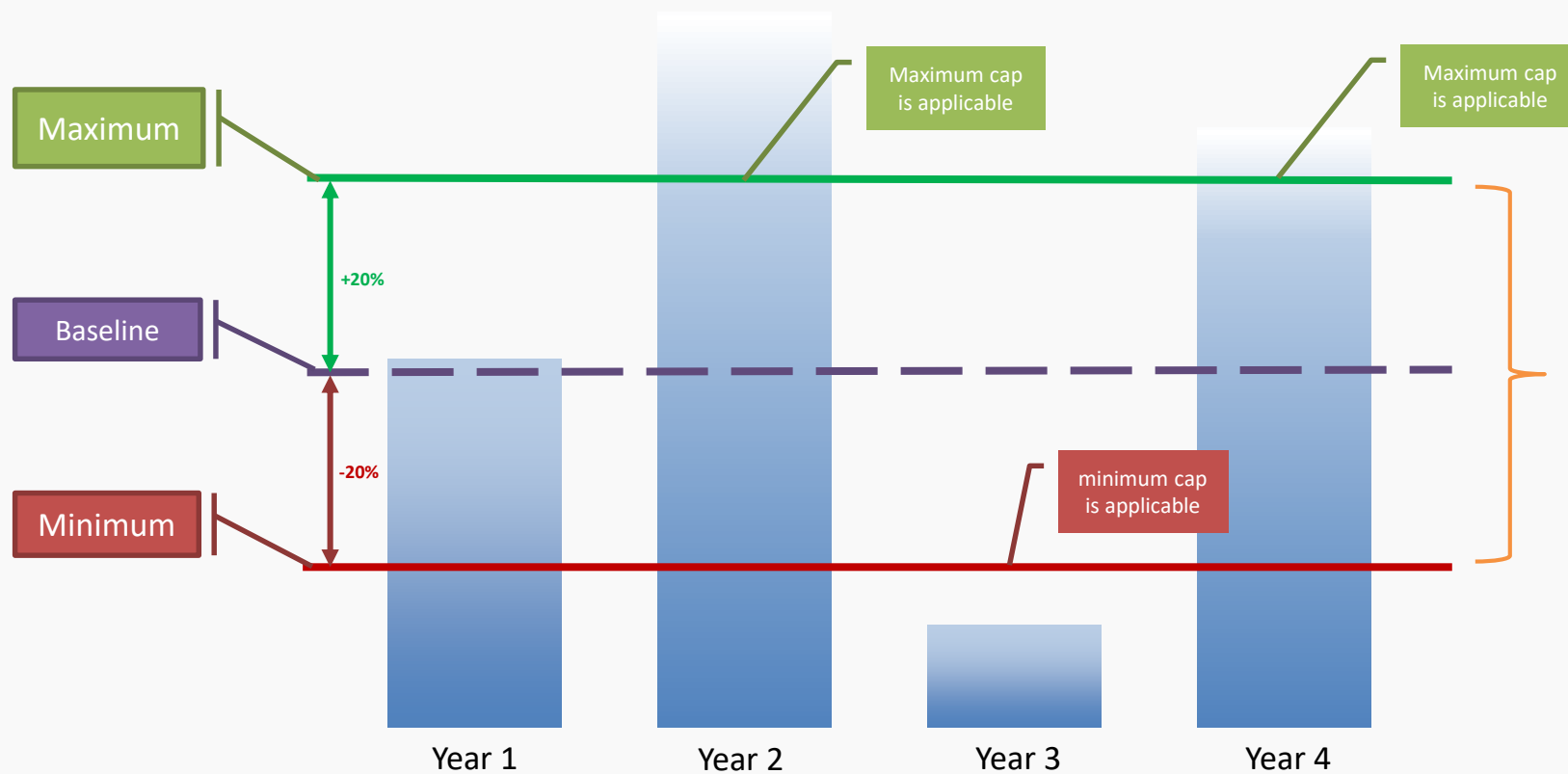
2 major options for financing the eTransformation Projects



PPP Approach Implementation – Service / Revenue Based



Application of Minimum and Maximum Limits





عمان الرقمية
e.oman

THANK YOU