

Wajdi Mereb, BIM Projects Manager, Assets Management Dept.

Mr. Mereb is a degree-qualified architect with primary professional experience in asset management and Building Information Modelling (BIM) for mega-infrastructure projects. Mereb's professional career extends through market-leading organizations and blue-chip contractors in the Middle East. Mereb is enabling the transformation process towards the automated digitized assets management in the RTA, besides, managing the BIM implementation in all its projects, mainly the Extension of Metro Red Line for Expo 2020 project.



Saeed Alramisi- Director, Assets Management Dept.

Mr. Saeed is one of the top development directors with significant experience in assets management of major organizations in Dubai. Mr. Saeed holds a very critical position in the Roads & Transport Authority (RTA) as the director of Asset Management department, the department responsible for managing all the assets of one of the biggest transport authorities in the world. Mr. Saeed serves as deputy chairman of RTA BIM committee & led the strategic transformation project of RTA Corporate BIM framework in planning for RTA to be the first transport authority in the Middle East to be fully utilizing BIM within its processes & assets.



RTA BIM Implementation

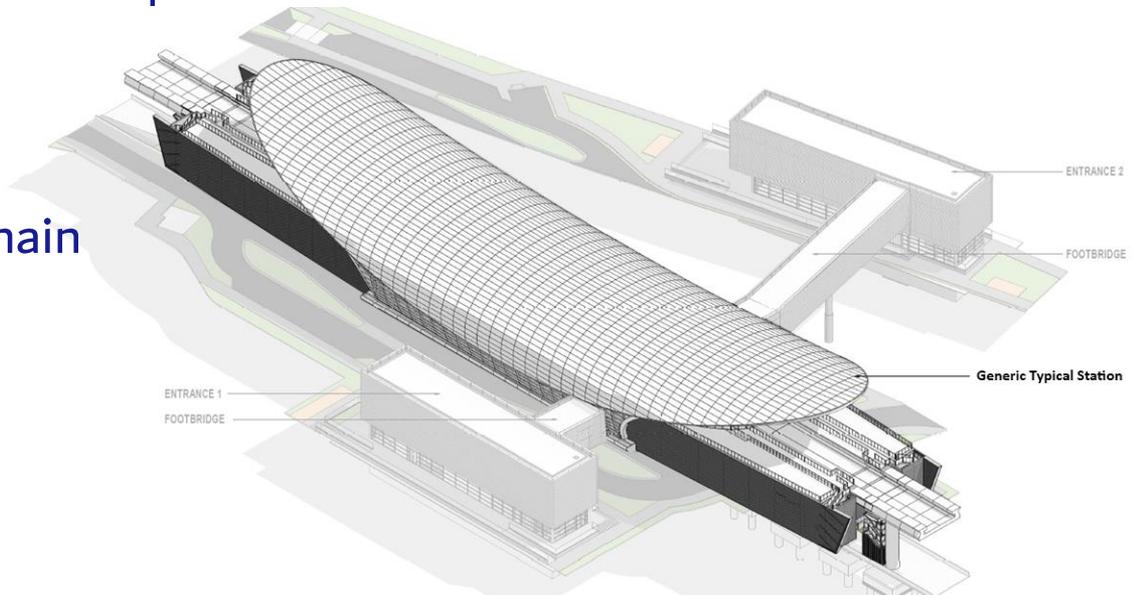


26 March 2017



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Introduction

- RTA is committed to be a **fully data driven asset owner and** a pioneer world wide in digitizing its assets.
- BIM implementation is an **integrated segment** of RTA strategy to optimize the procurement, operation, and maintenance of public transportation infrastructure.
- full life cycle approach & essential **partnership with Stakeholders & Supply Chain.**

The BIM Strategic Vision

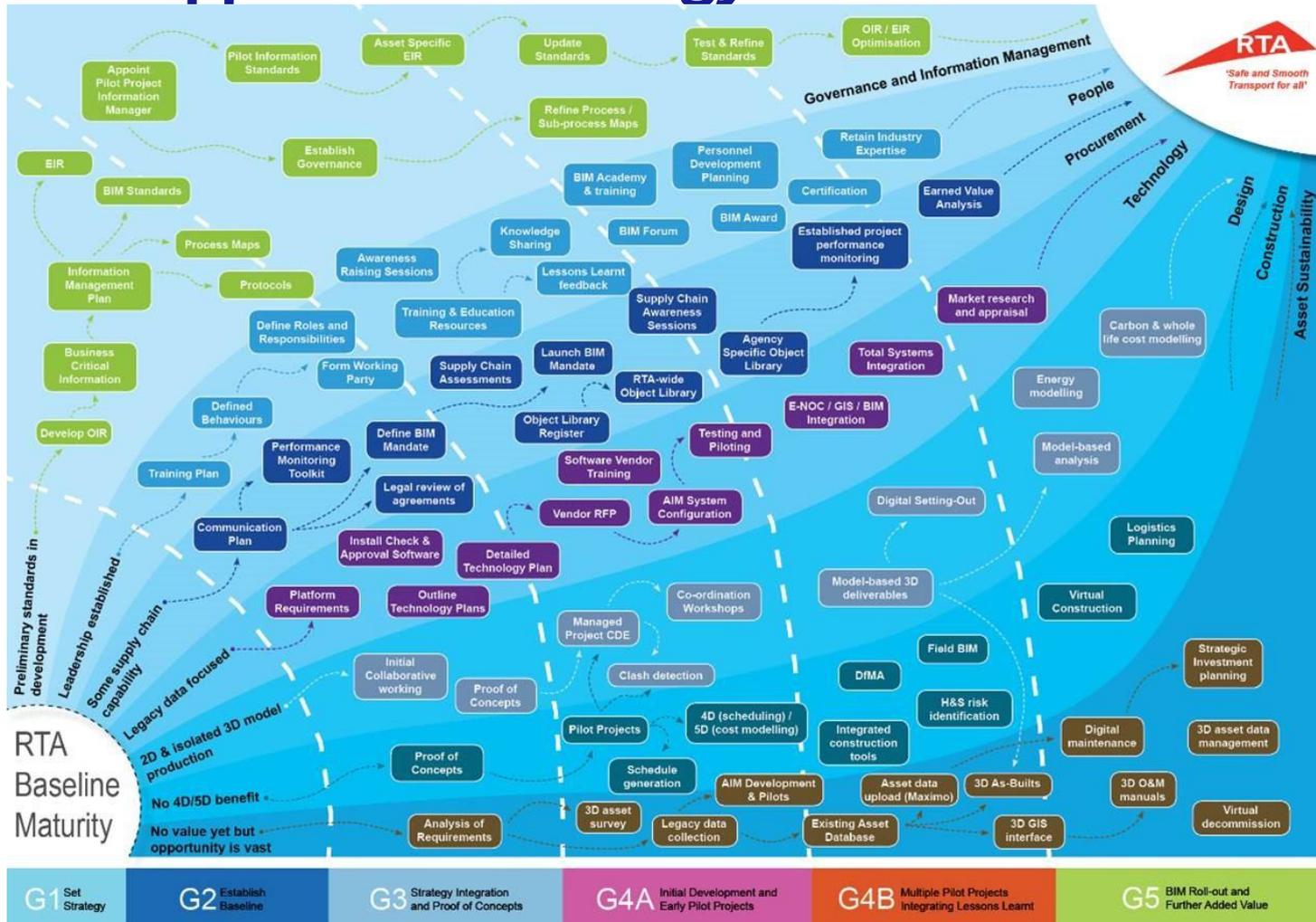
“To deliver integrated, digitized, and sustainable transportation systems, to fulfil Dubai’s smart City Goal”.

BIM for RTA

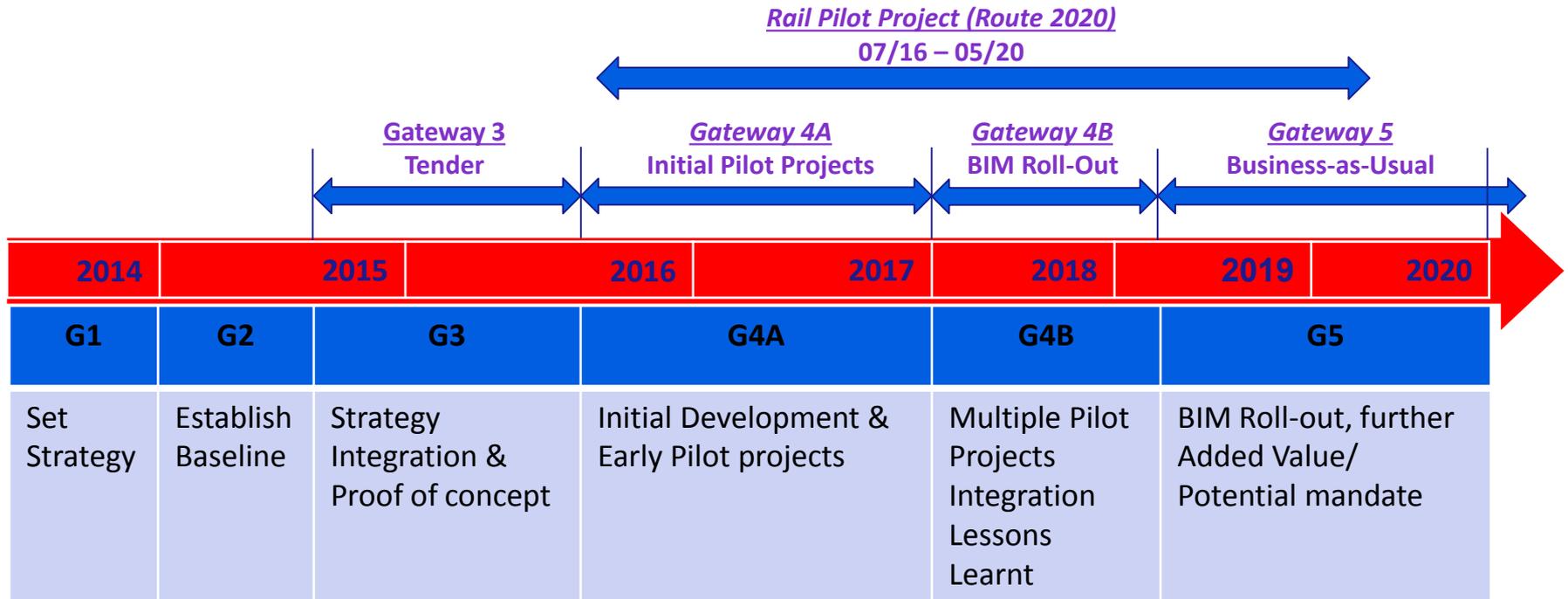
- A coordinated set of processes, supported by technology, that adds value through creating, managing and sharing the properties of an asset throughout its lifecycle.

- A new way of working that will revolutionize RTA & its vendors abilities to deliver, operate and manage transport infrastructure assets across Dubai.

RTA BIM Approach & Strategy

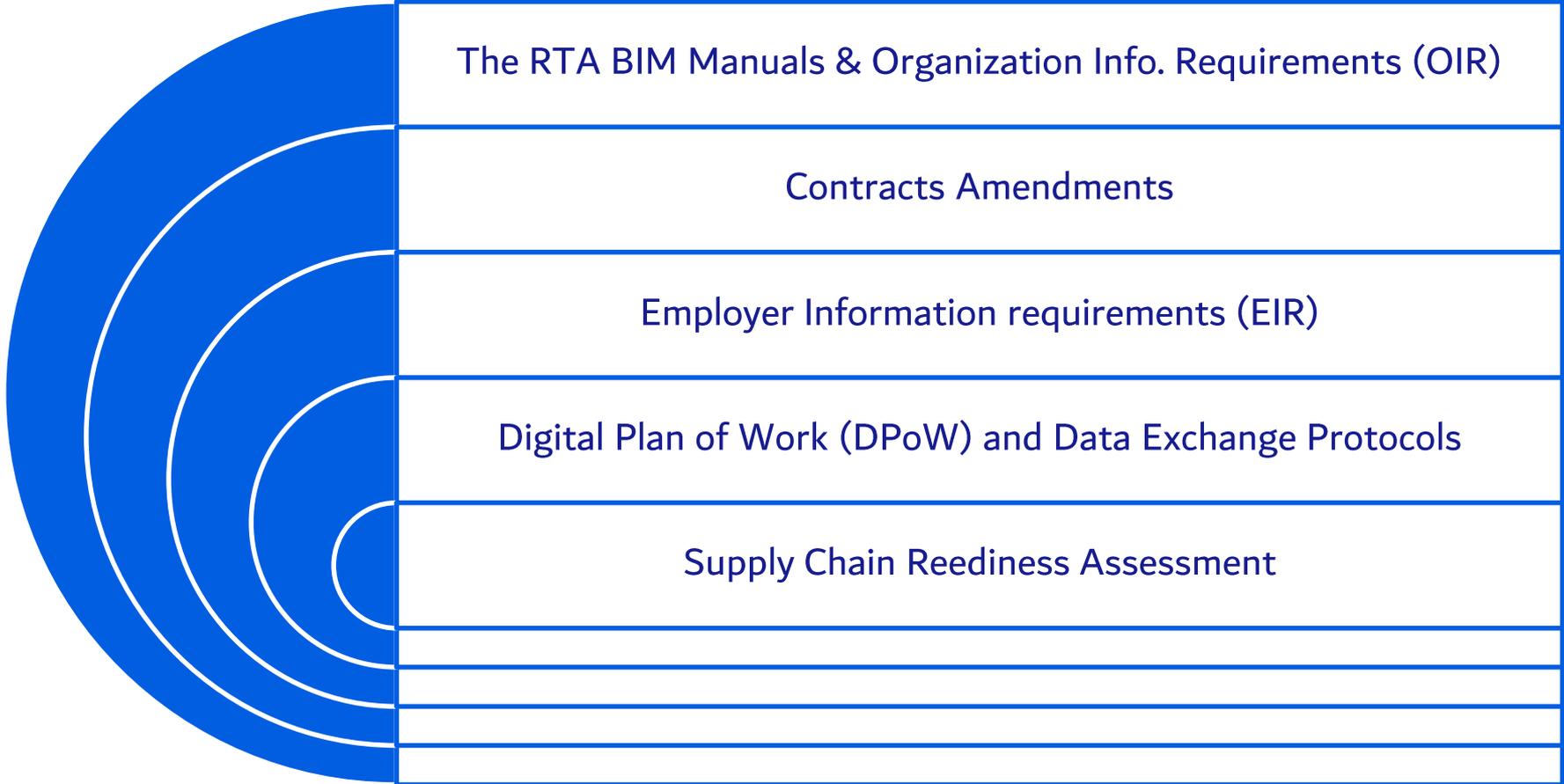


RTA BIM Road Map/ History & Adoption



Key Achievements

Standardized BIM Documentations



The RTA BIM Manuals & Organization Info. Requirements (OIR)
Contracts Amendments
Employer Information requirements (EIR)
Digital Plan of Work (DPoW) and Data Exchange Protocols
Supply Chain Readiness Assessment

The RTA BIM Manuals & Organization Info. Requirements (OIR)

Contracts Amendments

Employer Information requirements (EIR)

Digital Plan of Work (DPoW) and Data Exchange Protocols

Supply Chain Readiness Assessment

BSI Kitemark Certificates

- Globally, the first governmental entity certified to the BSI Kitemark Certificates:
 - ❑ PAS 1192-2:2013 & BS1192:2007 for BIM implementation in CAPEX
 - ❑ PAS 1192-3:2014 & BS 1192-4:2014 for BIM implementation in OPEX.
- The first Asset Owner in the world participated in launching the certificate of conformity for the operation and maintenance phase.

Handing-over of PAS 1192-2 Kitemark



April. 2017

First Global Organization certified to new BIM Kitemark for Asset Management



March. 2018

RTA BIM Center

- An interactive environment that allows 35 people to work on the same model at the same time, equipped with all necessary advanced technologies and controls.
- Facilitated to present, process, and save federated projects info.
- Online collaborated data with all concerned parties for swift & accurate decision making
- Advanced training center for internal and external users.



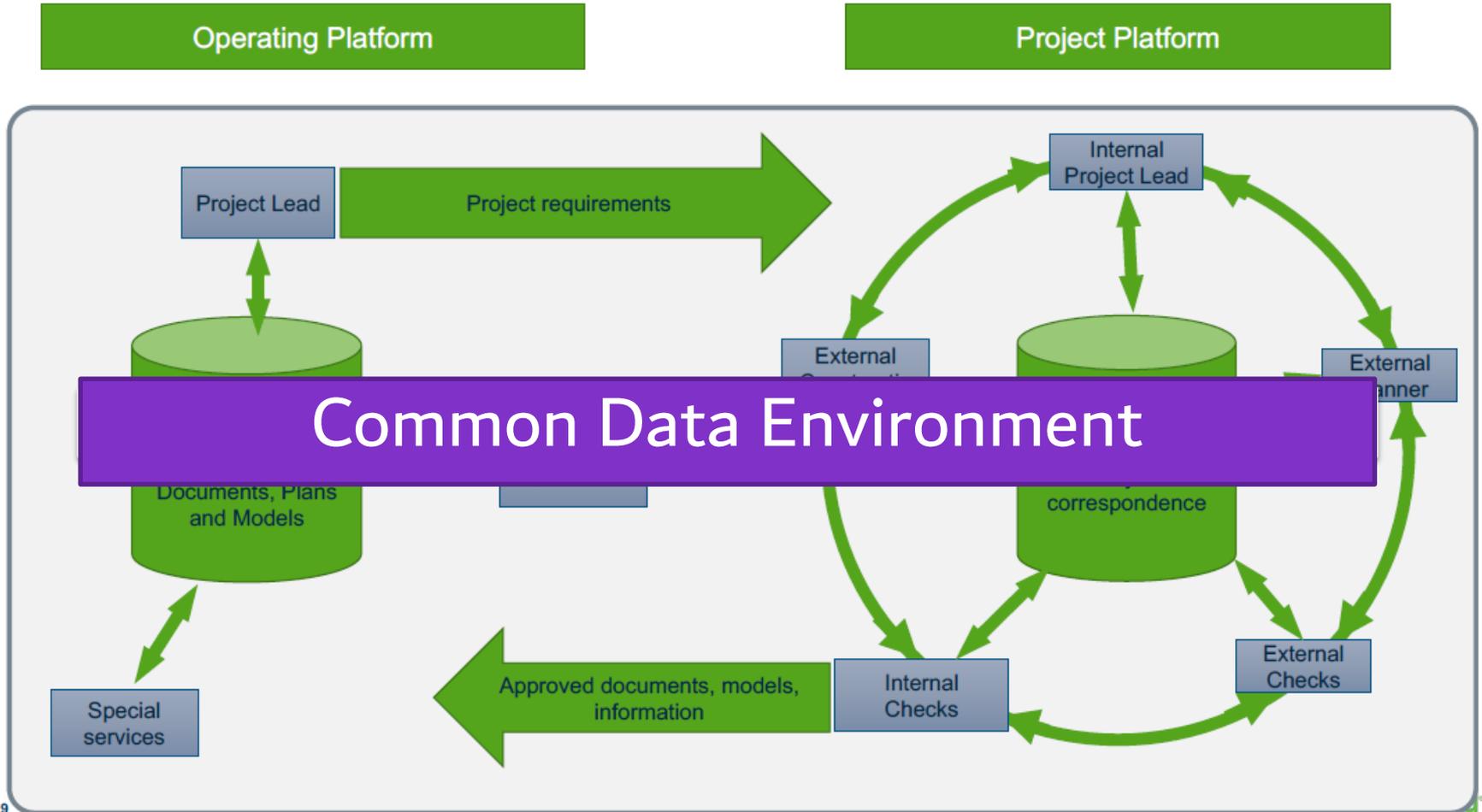
BIM Training Programs

The program covers 4 levels of an enterprise training regime:

- ❑ Quarterly Awareness sessions
- ❑ Yearly Preface training courses
- ❑ Advanced training courses for the BIM software's & Platforms
- ❑ Supply Chain customized training programs



CAPEX & OPEX Integration & Platforms



BIM Implementation in Mega Projects

- Extension of Metro Red Line for Expo 2020
- Dubai Tram phase 2 Project
- Enhancement of Selected Metro Stations Project

What is expected from Supply Chain & Partners

Continues engagement to enhance the BIM maturity in the UAE

Support RTA to develop a full fledged BIM Environment throughout the Asset lifecycle stages

Full compliance with RTA's future proposed mandate

Enrich and enhance the supply chain capability to carry out high standard BIM implementation

Thank You

