

iNPQS - Digitally Transforming Specifications In The Construction Industry

*Speaker 1 – Ar Richard Lai Teck Chuan
President of SIA*

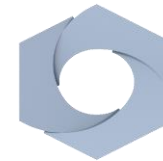
iNPQS – How it ALL Started?

- 09 Nov 2015 – Incorporation of iNPQS Pte Ltd
- 27 July 2018 – Submitted Application for PIP Grant
- 06 Sept 2018 – Received Letter of Offer for PIP Grant
- 23 Nov 2018 – 1st Director's Meeting
- 01 March 2019 – Commencement of Project

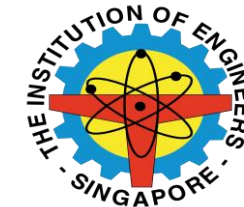
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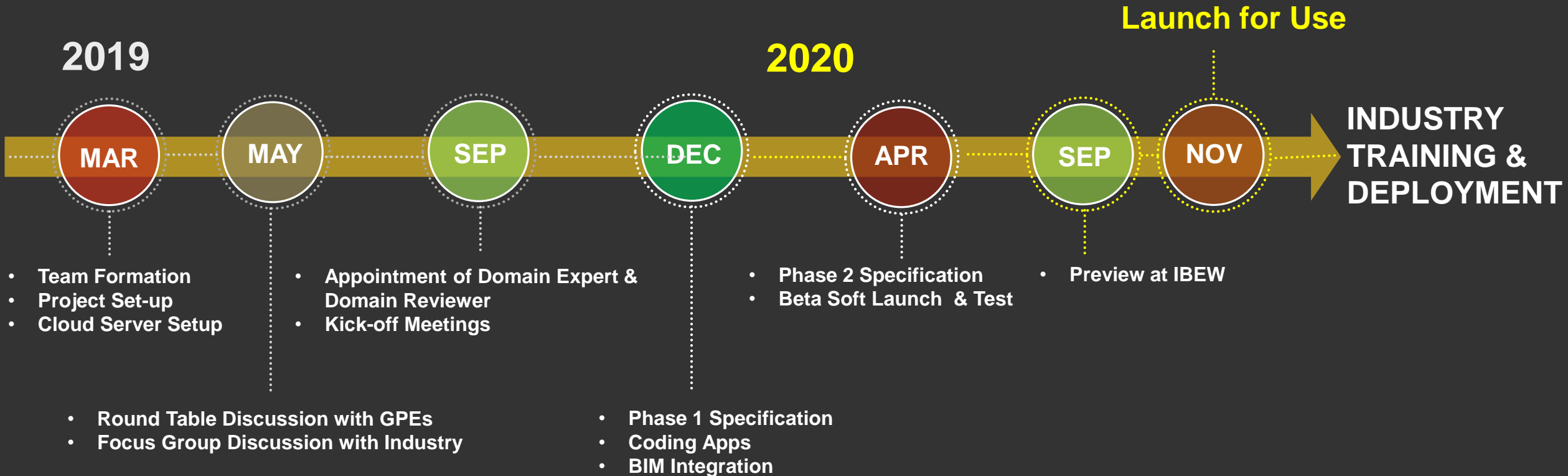
Signing of PIP Application on 25 July 2018 at SIA Secretariat



ASSOCIATION OF
CONSULTING ENGINEERS
SINGAPORE



PROJECT TIMELINE



PROFESSIONALS BEHIND THIS EFFORT

SC Members . Domain Experts . Domain Reviewers . SAC Members . External Consultants

20 Steering
Committee
Members

80 Domain
Experts
Appointed

60 Domain
Reviewers
Appointed

34 Specification
Advisory
Committee
Members

External
Consultants
Appointed

- Editor
- Legal Consultant
- Business Consultant
- Marketing Consultant

Our Engagement



Focus Group Discussions



User Facilitation Sessions

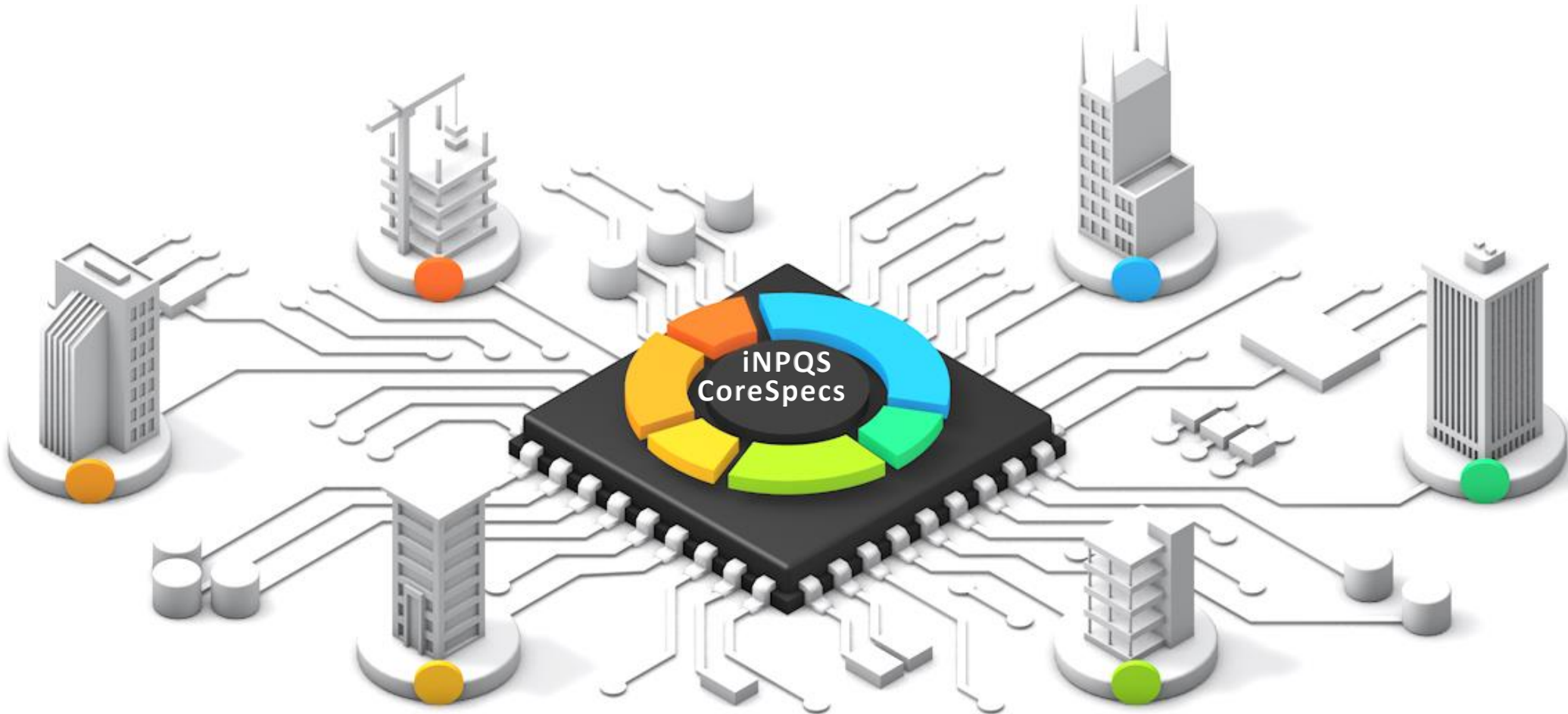


Institutes Engagement

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*Speaker 2 – Er Teo Yann
President of ACES*

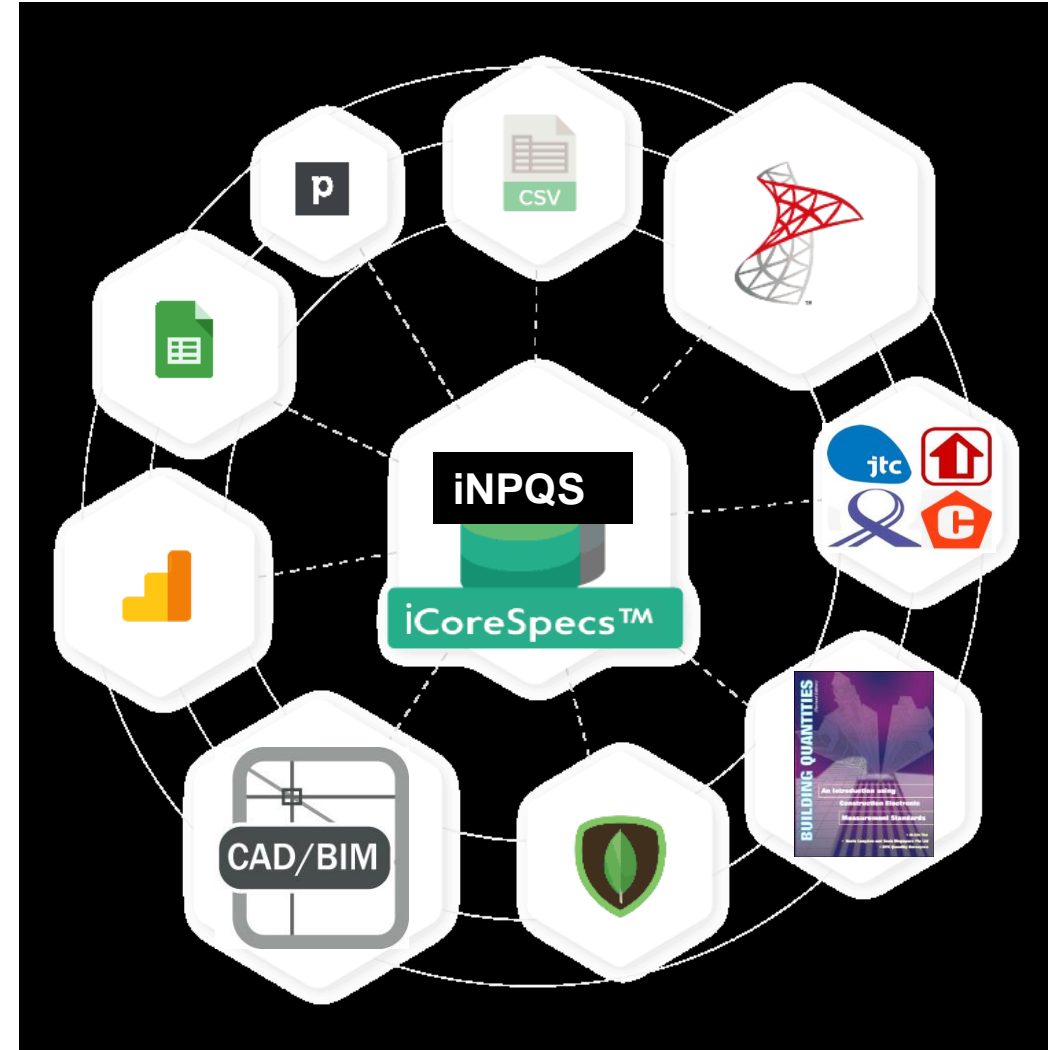
iNPQS - The Development Process



OUR SOLUTION

INTELLIGENT & INTEGRATED SPECIFICATION

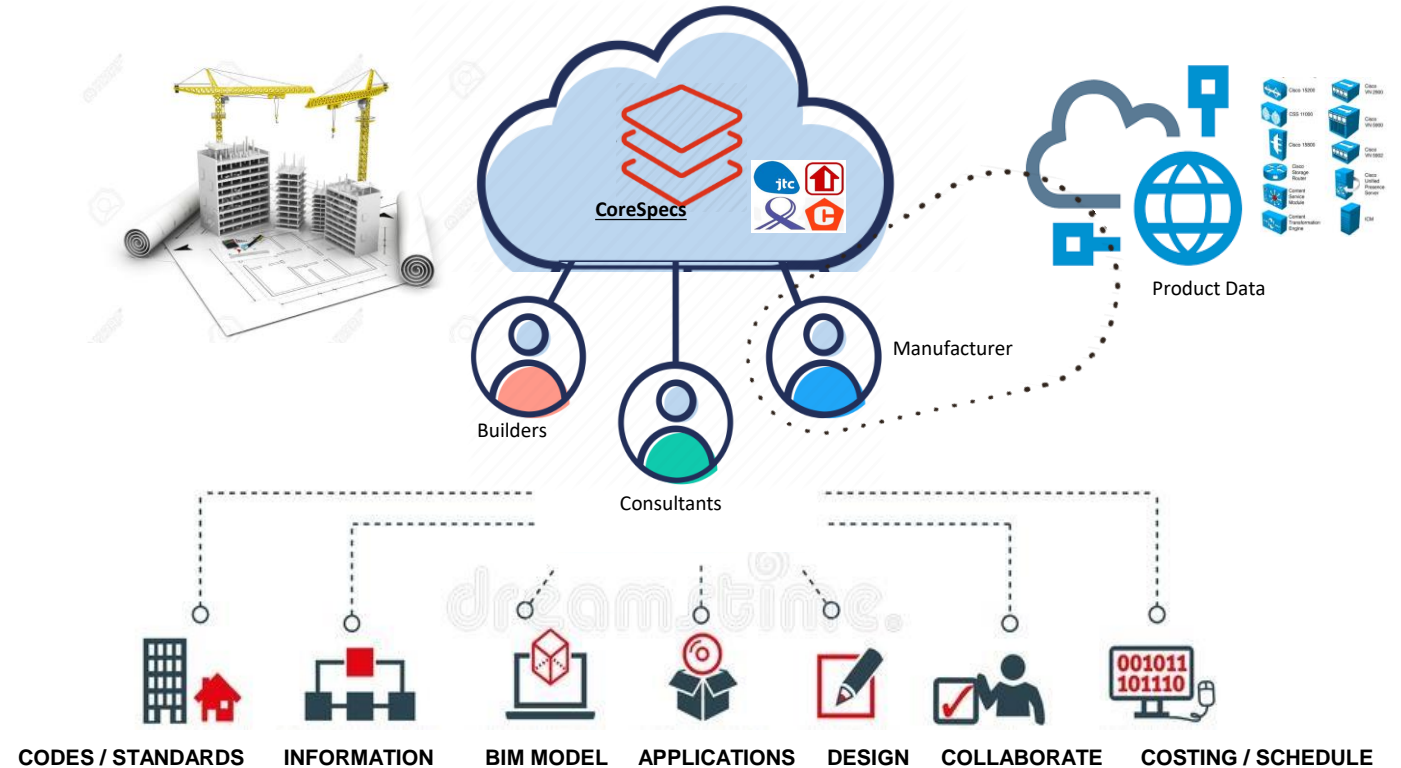
1. **Central cloud based storage**
2. **Available on demand 24 x 7**
3. **Platform independent, available on desktop, laptop and mobile devices**
4. **Centrally updated with latest software, database and security patches**



OVERVIEW OF INPQS PLATFORM

COLLABORATION . PRODUCTIVITY . QUALITY

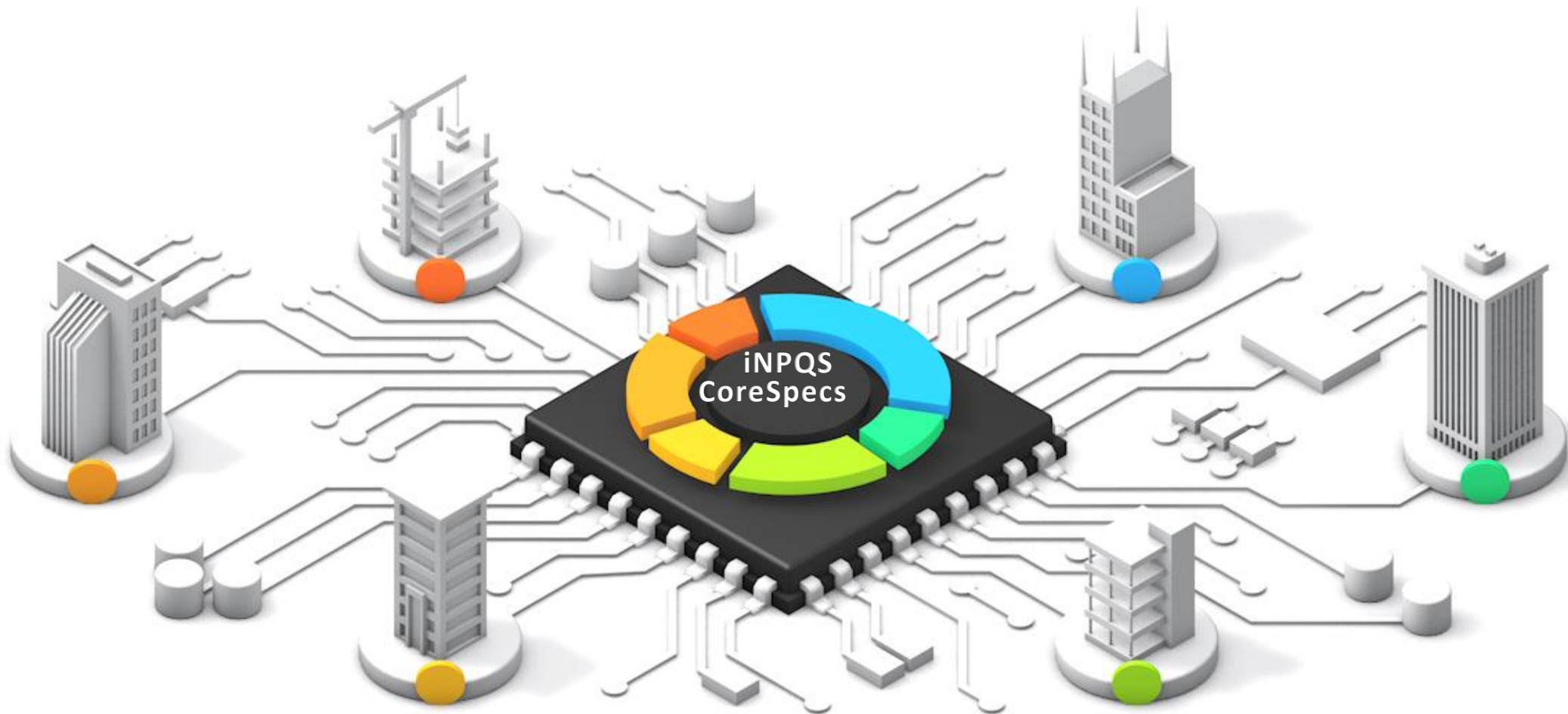
5. Latest GPE and iCoreSpec
6. Link specification to BIM software
7. Audit trails and access control
8. Platform for sharing, coordination and collaboration at different levels, disciplines
9. APIs for software expansion and development



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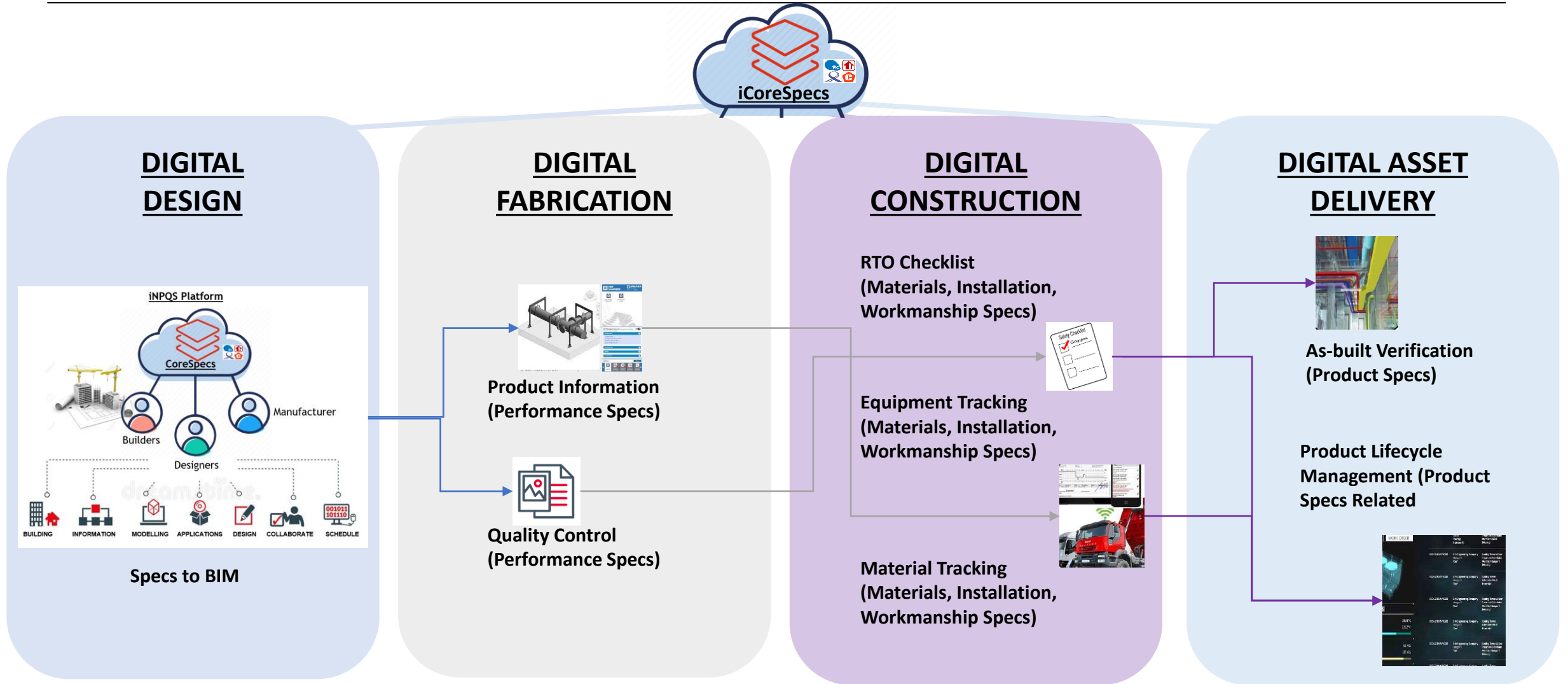
Speaker 3 - Dr Richard Kwok Wai Onn
President of IES

iNPQS - Moving Forward



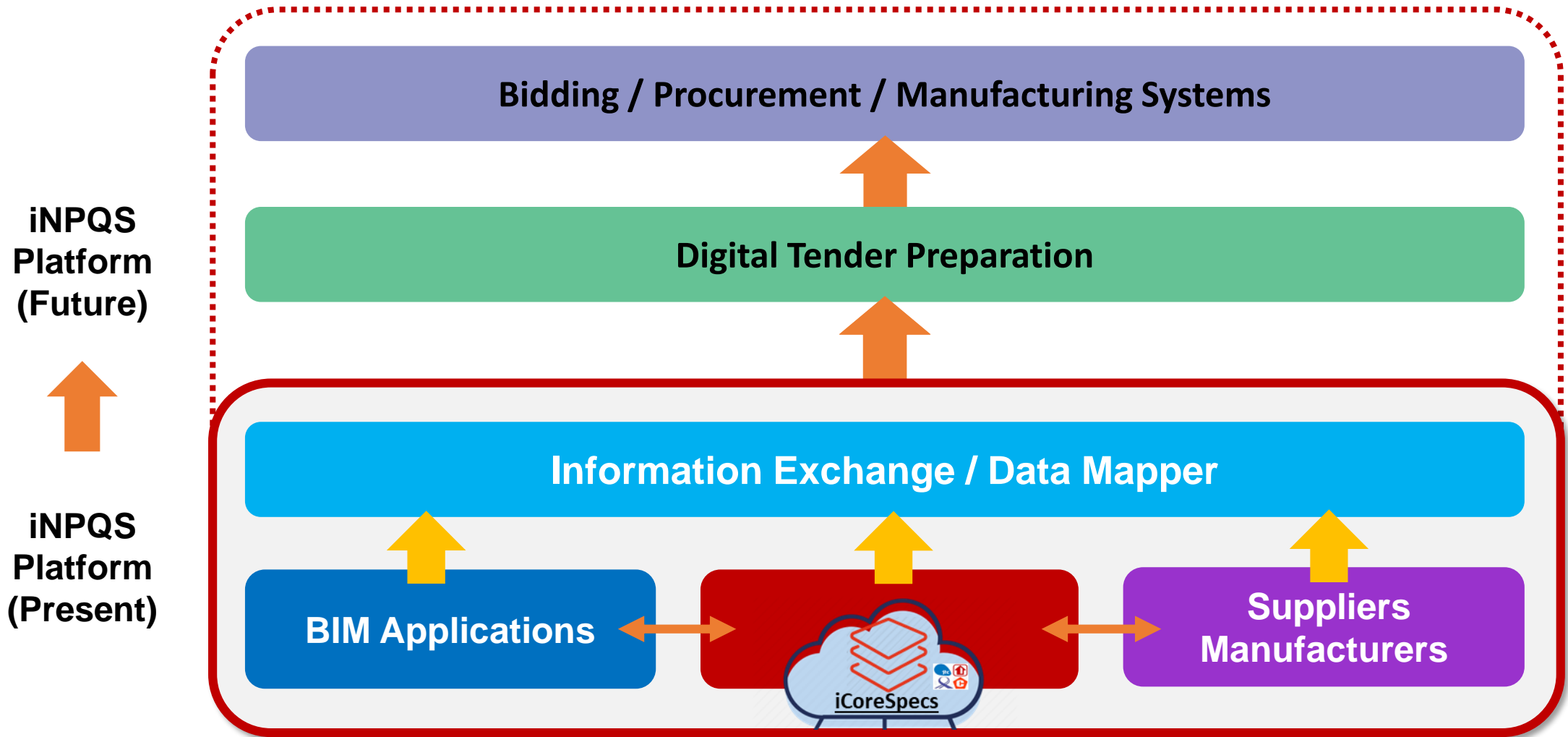
ALIGNMENT WITH IDD

FULL DIGITAL CAPABILITIES



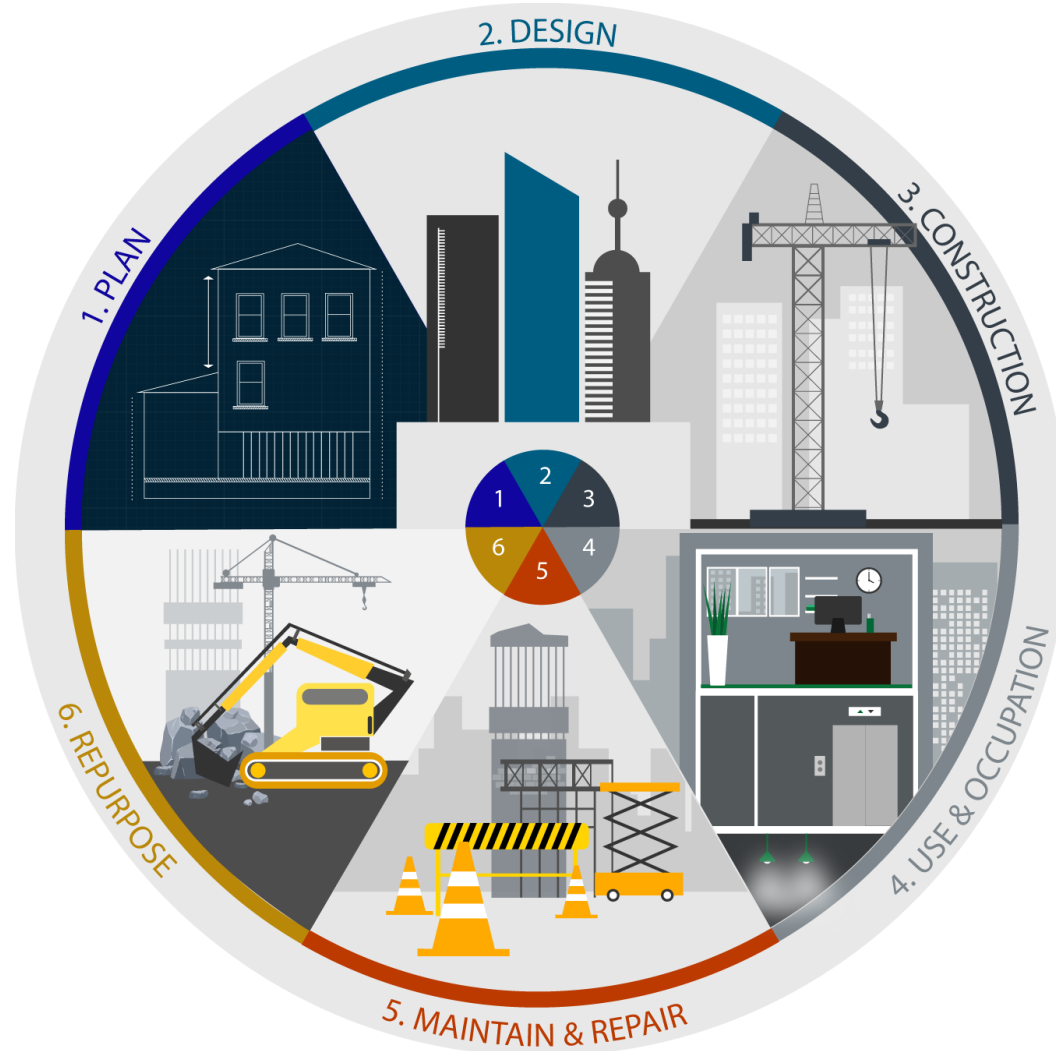
THE FUTURE PLAN 1

TO LINK TO PROCUREMENT PLATFORM FOR TENDERING & QUOTATION



FUTURE - PLAN 2

TO LINK TO LIFE CYCLE ASSET MANAGEMENT PLATFORM



1. **Cost information tagged to Building Assets**
2. **Optimise Capital & Asset investments**
3. **Improved Use of Assets**
4. **A unified, correlated view of Real Estate, Infrastructure & Facilities Assets**

DIGITAL TRANSFORMATION IS HERE TO STAY

*We have a part to play in making this
National Specification a SUCCESS*