corenetx

Leadership Forum

27 NOVEMBER 2023

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Where it all started?

A dream that one day the process of plan clearance can be seamless and architects can concentrate on delivering quality buildings that are aesthetically pleasing, functionally purposeful and compliances wise, **IN ORDER** too.

Where it all started?

As it is now, all agencies work quite independently, though there are some degree of coordination among them.

Where it all started?

ADDP, as part of the industry community of practice, like many of you here, were called upon to involve ourselves in the early sharing of Corenet X Service Journey organized by URA/BCA, before **COVID** hit us.

Where it all started?

It is through these sharing sessions that we come to know and decided that, we must get ourselves ready for the impending change that is to come.

Where it all started?

Change:-

- People

- Processes

- Technology (Tools)

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Where it all started?

People:-

- Leadership commitment

- Training programme

- Internal Re-organization

Where it all started?

People:-

Leadership Commitment

o Decide on the change in the workflow.

o Anticipate a possible downtime and potential delay in delivery at the start.

o Decide on a contingency plan, should it happened.

Where it all started?

People:-

Training Programme

o Train all staff to be BIM ready, as most are still accustomed to AutoCad (2D), except for a selected few.

o Conducted in-house BIM courses on a fortnightly basis, over a couple of months.

o Conducted in-house briefing on the impending changes in the workflow and IFC SG.

o Always on a lookout for courses to upgrade and/or break new boundaries.
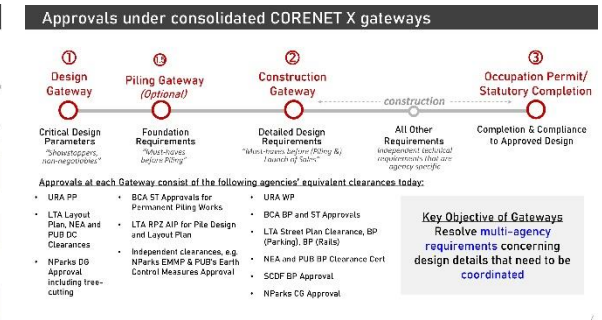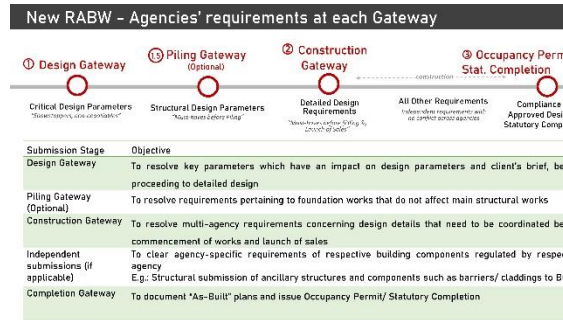
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Where it all started?

People:-

Internal Re-organization

o Identify key staff to have the relevant skill sets to push our agenda.

o Identify key staff to kick start the re-organization.

o Identify the BIM Lead and BIM Ready Personnel.

o Identify Personnel from the AutoCAD Core Team to Upgrade to BIM Ready.

o Conduct regular in-house briefing, especially on the COP for Corenet X, to keep all staff updated with the changes and what office is putting in place, to support them.

Where it all started?

Process:-

o Understand and internalize the new regulatory process (RABW – New Regulatory Approval for Building Works) under CORENET X.

o Review of existing internal processes and standard operation procedure (SOP) to keep up with the impending change.

o Participate and implement experiences and know how gained from CORENET X sandbox and;

o Participate in "Live Submission", etc.

Where it all started?

Technology:-

o Build up BIM and IFC-SG capability

o Set-up Internal BIM templates to enhance productivity

o Mapping of IFC-SG, etc.

Where it all started?

ADDP's Milestone/Achievement

2019 - 2020 -

✓ Participated in Corenet X Service Journey organized by URA/BCA

May - July 2021 -

✓ Participated in 2 Corenet X Community of Practice for Architects

Oct 2021 -

✓ Attended BCA Corenet X Industry Webinar

Where it all started?
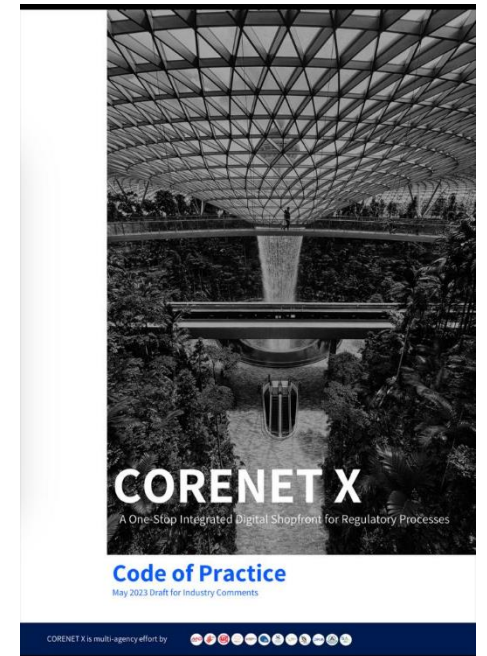
ADDP's Milestone/Achievement

February 2023 -

✓ Conducted in-house BIM courses on a fortnightly basis

✓ Completed in-house BIM course in March 2023

May 2023 -

✓ Met up with BCA on the Code of Practice (COP) for Corenet X

June 2023 -

✓ BCA conducted Firm Conversation at ADDP on 1st June 2023

✓ Started preparation for IFC SG

✓ Tested application using a completed project to understand the workflow and IFC-SG compatibility
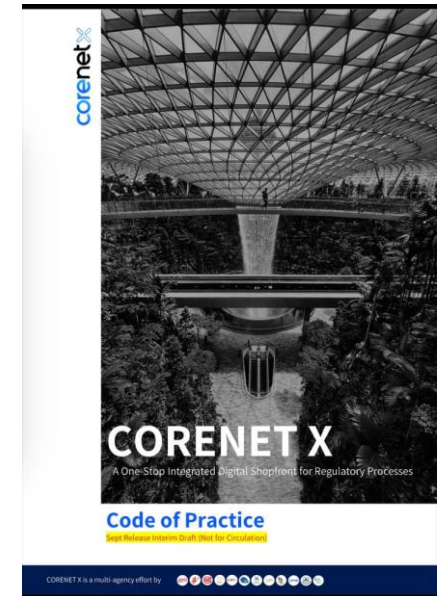
Where it all started?

ADDP's Milestone/Achievement

July 2023 -

✓ 1st In-house Briefing on new development of Corenet X

✓ 2nd In-house Briefing on new development of Corenet X

September 2023 -

✓ Completed Revit Model/Family based on Corenet X industry mapping

✓ Attended BCA Briefing of Corenet X IFC-SG Buildability Focus Group Discussion

✓ Met up with BCA on the updated Code of Practice (COP) for Corenet X (*Planned for release in September*)

✓ Conducted another in-house briefing on the necessary change and IFC SG.

Where it all started?

ADDP's Milestone/Achievement

October 2023 -

✓ Together with the project team, we started preparation of a "**LIVE**" project for Corenet X

✓ Attended course on RABW Train-the Trainers Course conducted by BCA

✓ Attended course on Introduction to Construction and Real Estate Network X (Corenet X) and Industry Foundation Classes (IFC) conducted by Singapore Polytechnic

✓ Attended course on Corenet Portal and Registration Briefing conducted by BCA

✓ Attended Quick Adoption Revit IFC-SG Industry Training by GovTech BCA endorsed by BIMAGE

Where it all started?

ADDP's Milestone/Achievement

November 2023 -

✓ Attended course on RABW conducted by Singapore Institute of Architects (SIA)

✓ Participated in Corenet X Automated Model Checker BETA Trial (Trial ends April 2024)

Where it all started?

"The journey is never easy, but necessary. We hope through our involvement, we can contribute in our own small ways, the success of this national project".

Thank you.