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**24 - 26Octorber2017 Singapore Expo | Hall 3&4 | Max Atria**

**Build Smart fora Future Ready Singapore**

**International BIM Competition 2017**

**Computational Design, Analysis and Optimisation**

**Report**



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FINAL COMPETITION BRIEF

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# Design Quality

## Showcase your team chart for roles and responsibilities by each member.

## Explain your key concept, background research

## Demonstrate the team organisation chart

## How did you meet the Design Challenges with computational Design, Analysis and Optimisation approach?

## How BIM helped – collaboration and design aspects?

# Computational Design, Analysis and Optimisation

## What are the principles used in DfMA with Computational design?

## What are the rationality to reach the optimized solution from computer automated options?

## What are the tools applied during the design processes?

## How did the Software and digital Tools affected your design approach, solutions and communication processes?

## What are the design strategies in terms of architectural /Structural and MEP Services considerations for DfMA?

# Creativity, Innovation & Technology What are the key challenges and considerations for construction, site planning and management?

## What are the key challenges and considerations for construction, site planning and management?

## Site Planning Analysis diagram

## Construction innovation & technologies applied

## Computational/automated cost estimation

## Overall Program – Construction programme with time, tasks or work breakdown structure

# Conclusion (Summary)

* What are the learning outcome and output?
* Why do you deserve the International BIM Competition award?

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| **Note: The purpose of the A4 report is to serve as explanatory documents 20nos of A4 presentation slides, to be submitted together with all other requested submittals.**  **Recommended font – Calibri, min. font size 10.**  **Please supplement with diagrams, supporting infographics from A1 panels if necessary.**  **Please delete this table and notes in blue text for your submitted report.**  **Thank you.** |