PARAMETERS OF A BIM PROJECT
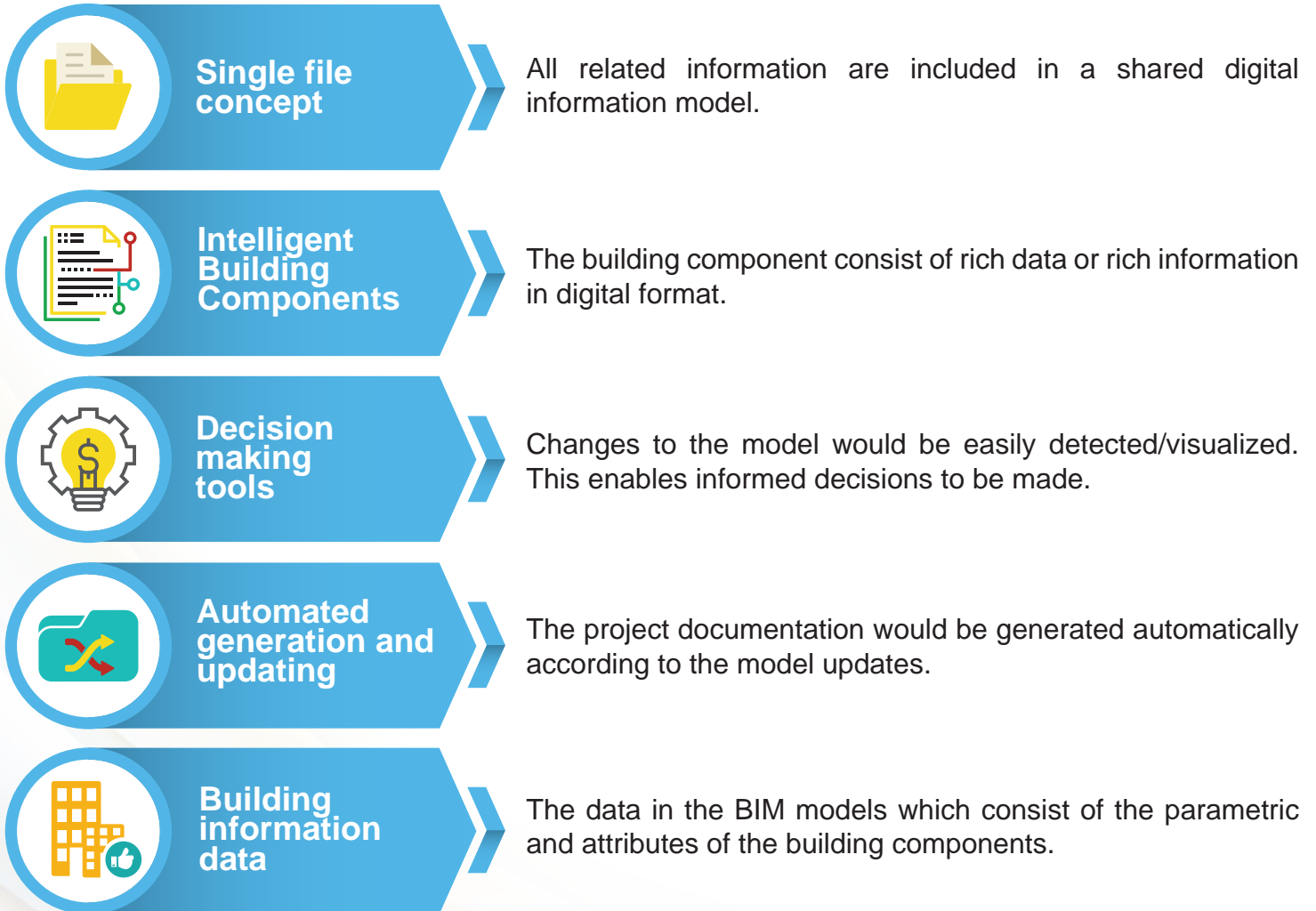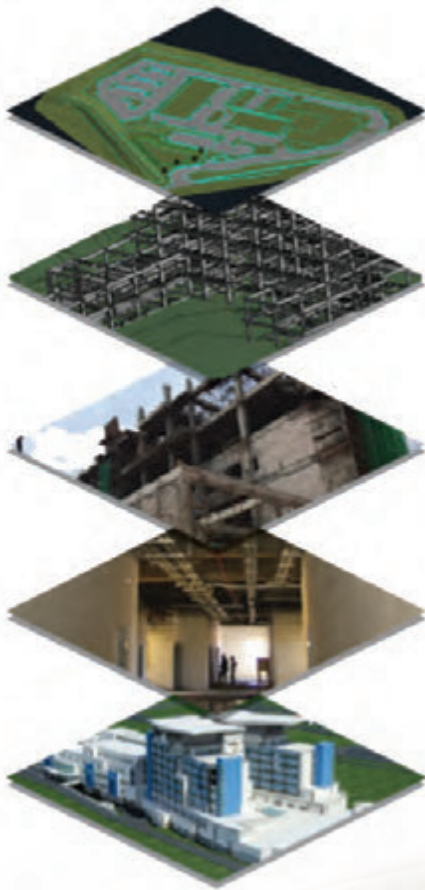
The characters and attributes to define a BIM project consist of the following parameters:-

Single file concept

All related information are included in a shared digital information model.

Intelligent Building Components

The building component consist of rich data or rich information in digital format.

Decision making tools

Changes to the model would be easily detected/visualized. This enables informed decisions to be made.

Automated generation and updating

The project documentation would be generated automatically according to the model updates.

Building information data

The data in the BIM models which consist of the parametric and attributes of the building components.

STRUCTURED LAYERS OF INFORMATION IN BIM MODEL

The difference between a 2D and BIM is the comprehensiveness of the information integrated in the model. For BIM, the comprehensiveness of the information will determine by the richness of the information according to the uses and expected deliverables from the BIM process. The below figure illustrates the structured layers of information in BIM model.

IDENTIFICATION

(Specification, product identification, classification and cost).

PERFORMANCE

(Quality, function, design requirement).

INSTALLATION

(Installation information).

APPEARANCE

(Physical appearance of the product).

LIFECYCLE

(Maintenance, sustainability, supply chain).