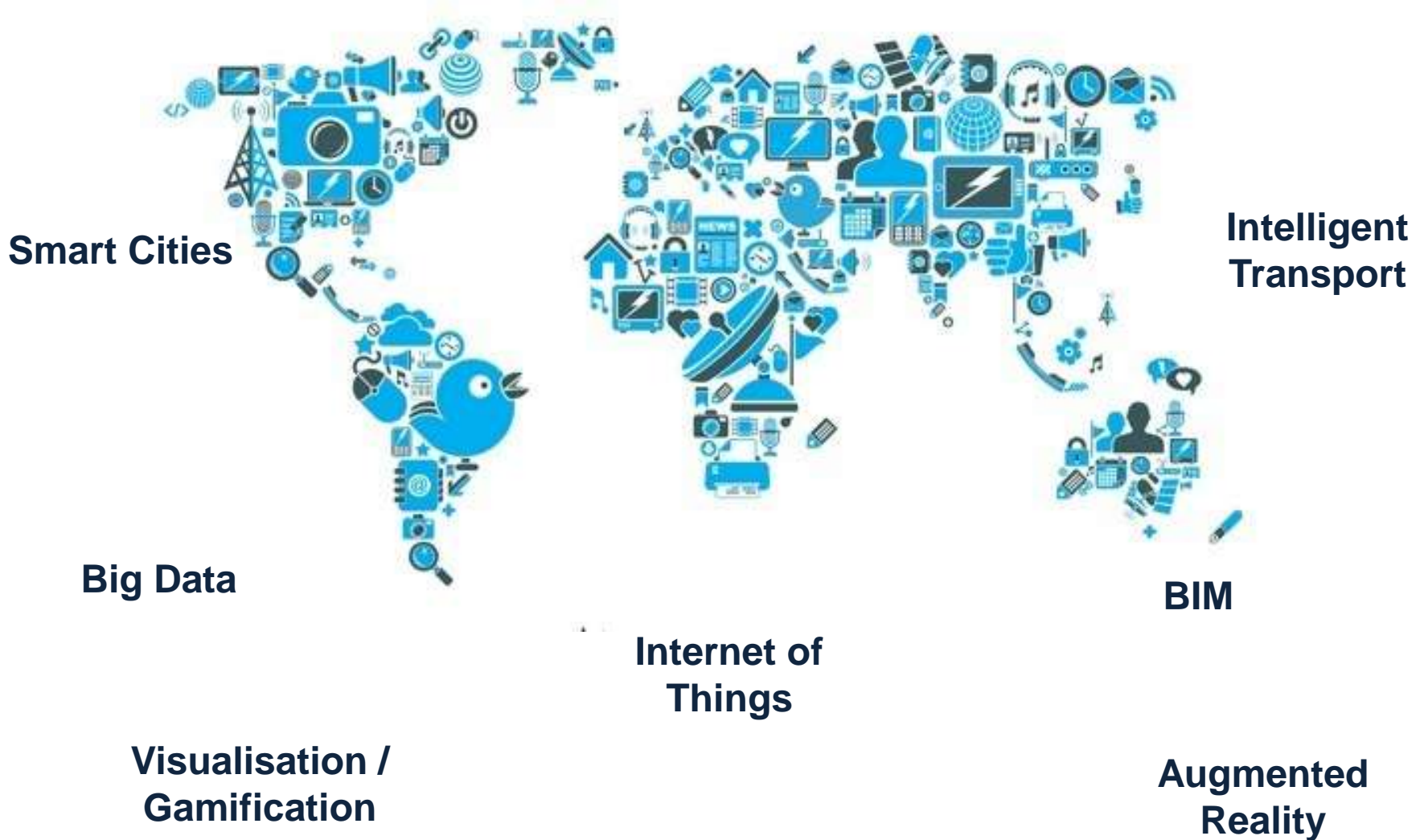




Digital Engineering

Mark Freeburn, CEO

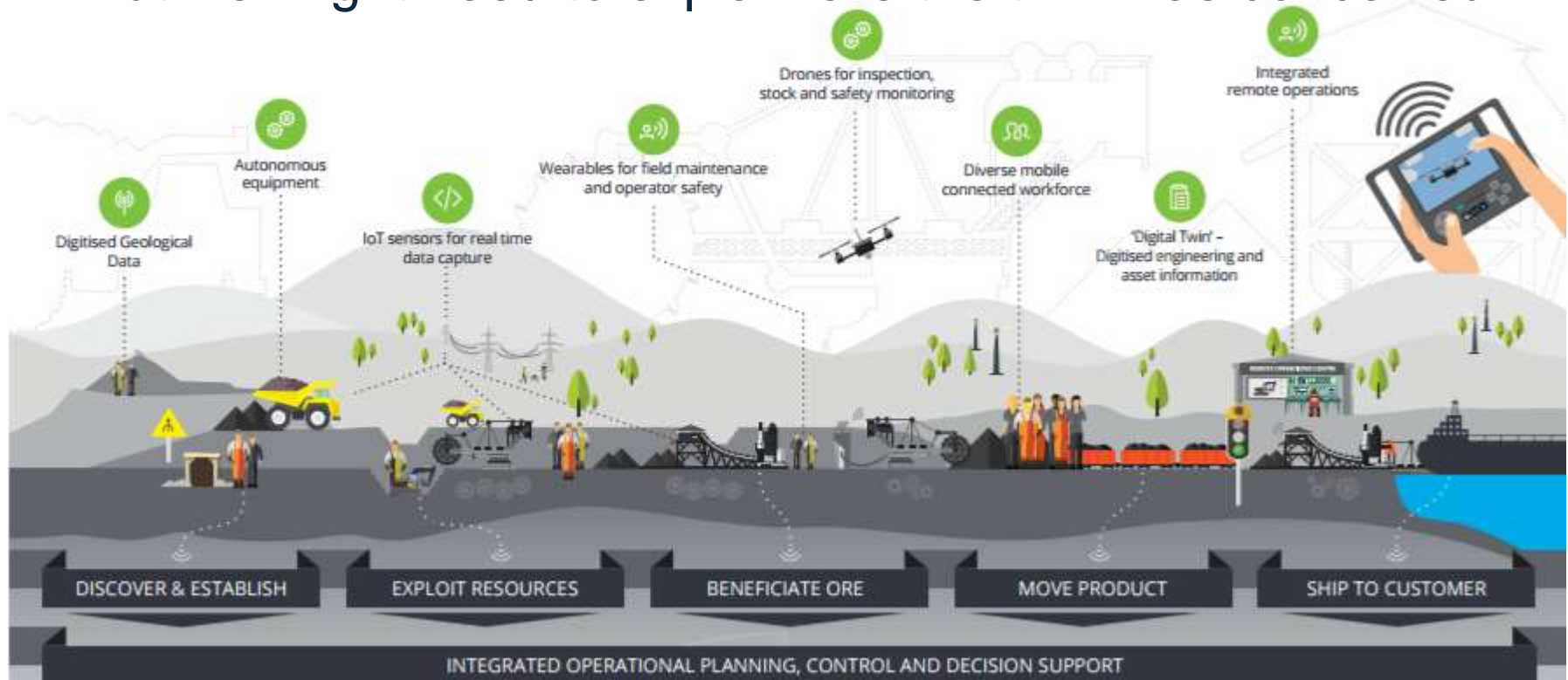




- 3D provides a digital framework of the real world
- “...geospatial data are the building blocks of a Smart City”
 - Vincent Hong, CEO Singapore Land Authority 2015

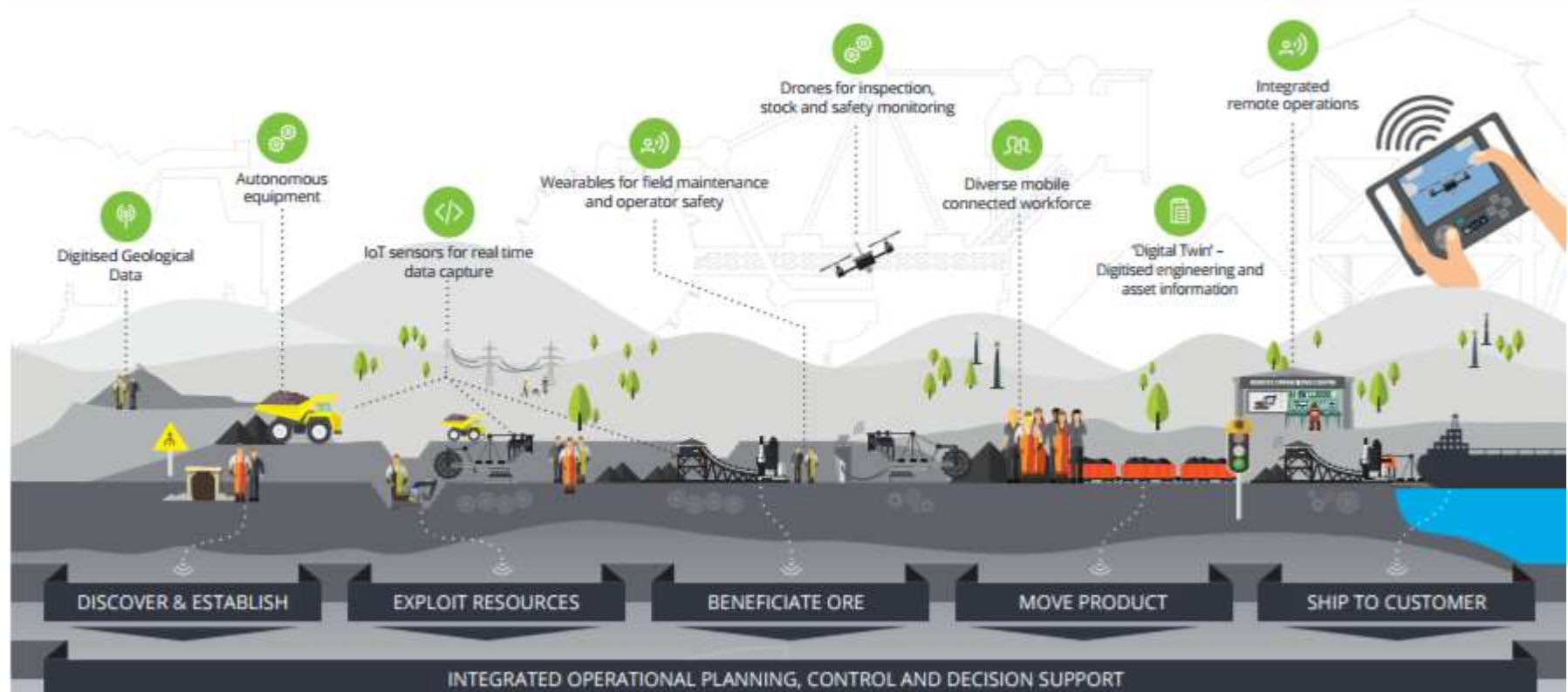


- “A “digital twin” is a digital model of the physical environment constructed using geological, engineering and asset information...” - Deloitte 2017
- But we might need to explain where the twin was conceived





- Open and Agile Smart Cities Initiative <http://oascities.org/>
- The City Protocol Society <http://cityprotocol.org/>
- *Sometimes we need selective detail to tell the story*



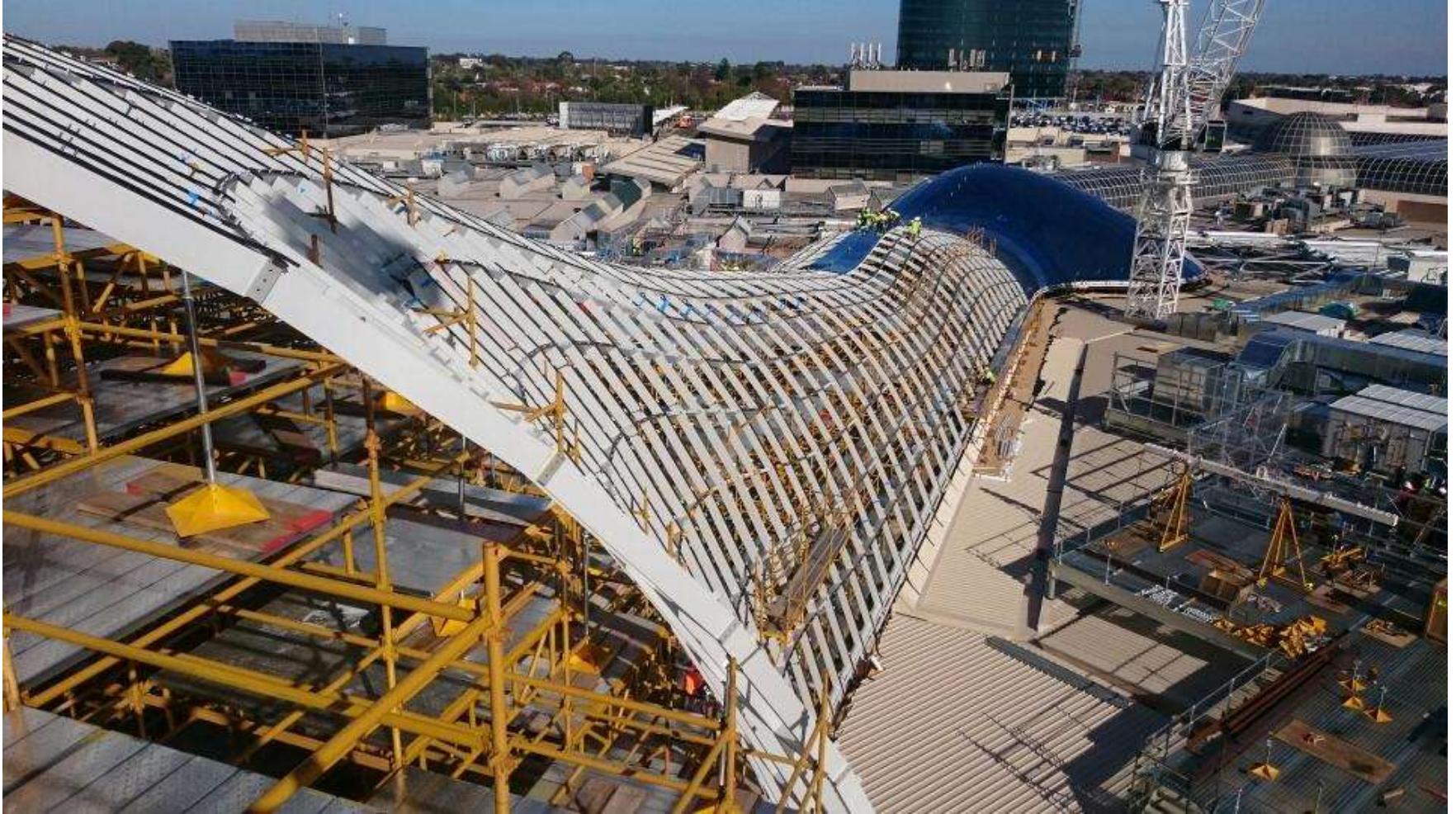
A blue-outlined speech bubble graphic containing the text 'URBAN PINBOARD'. The bubble has a rectangular top and a pointed bottom-left corner.

**URBAN
PINBOARD**

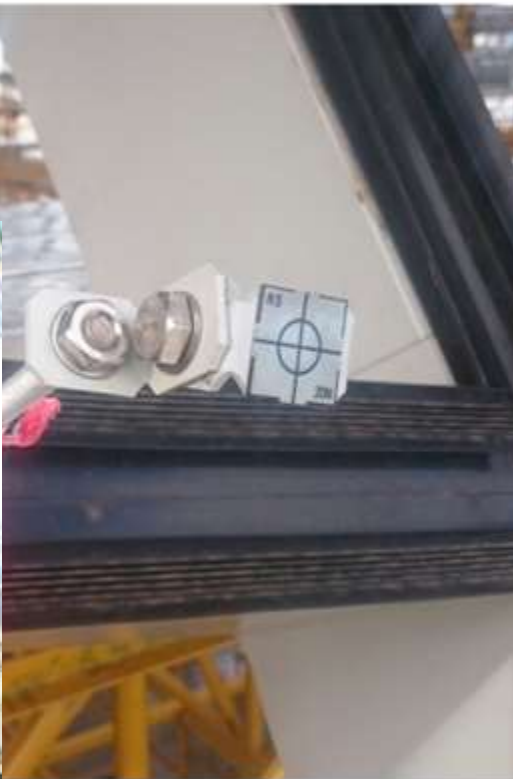
A more selfish view?

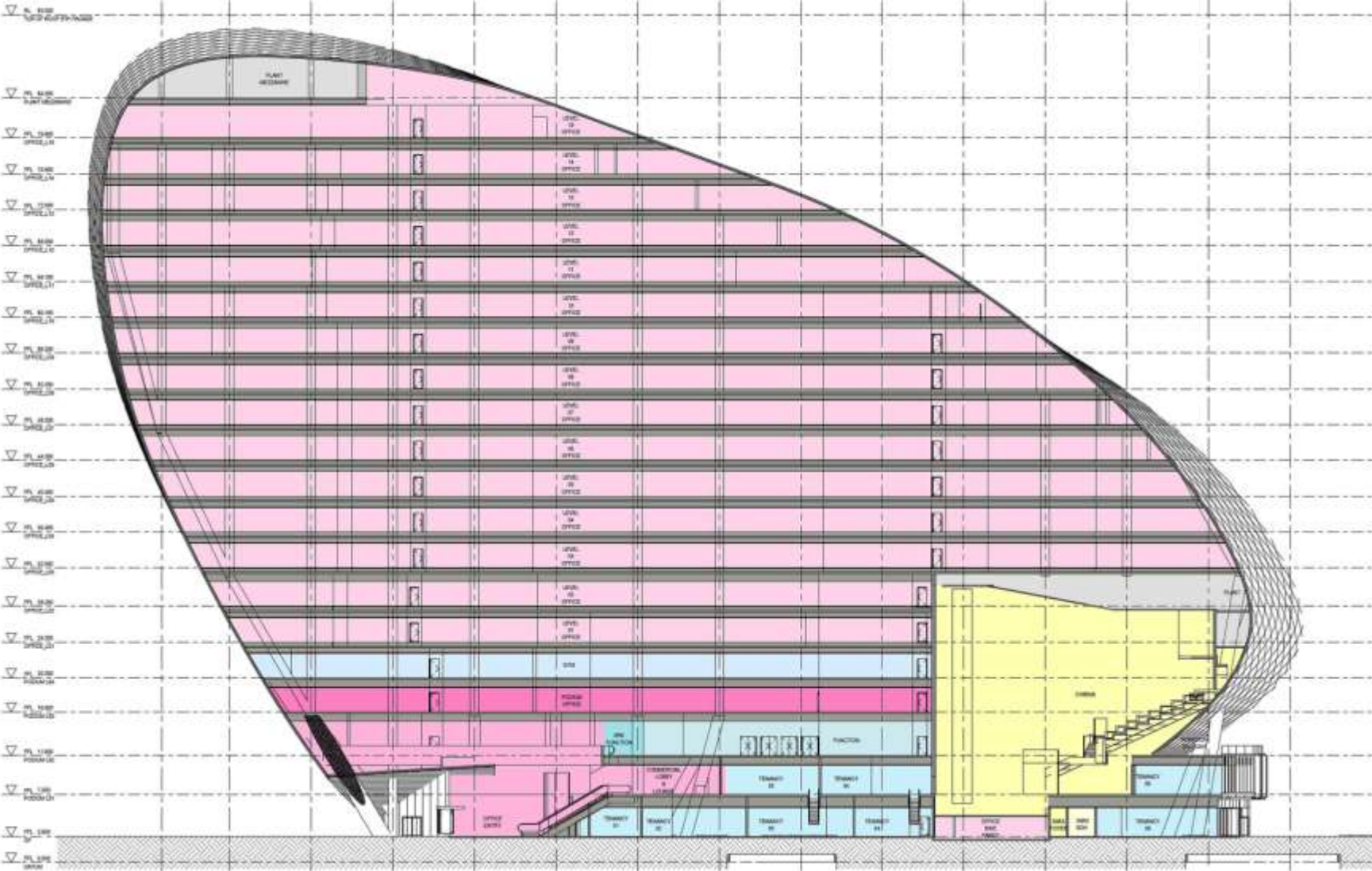


Can I set it out?



Making virtual real?







Not all models are created equal

