GEOSPATIAL WORLD FORUM
23-25 JANUARY, 2017, HYDERABAD, INDIA

Sustainable Urban Design

Mark Freeburn

AAM

Elements of Urban Design

GEOSPATIAL WORLD FORUM

DATA

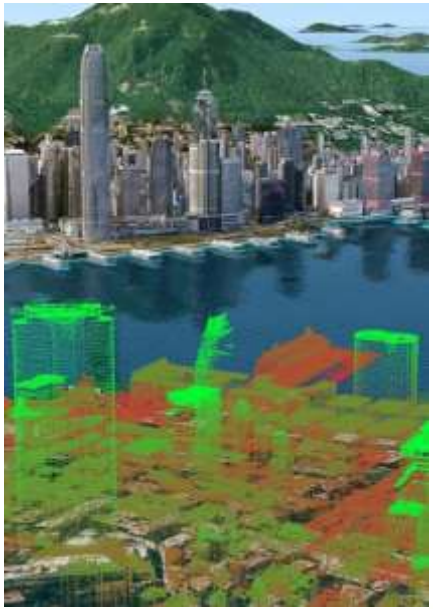
ACCESS

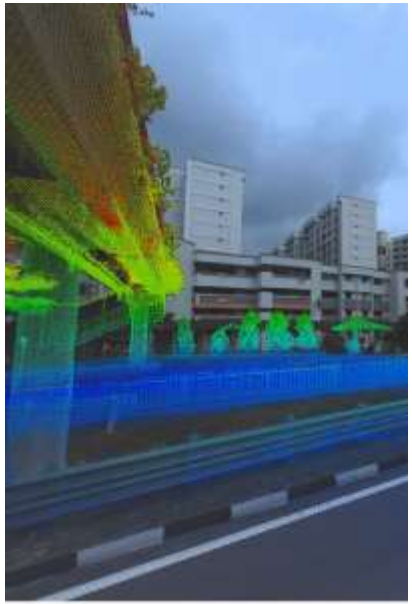
PEOPLE

AAM

Start at the Source - Data

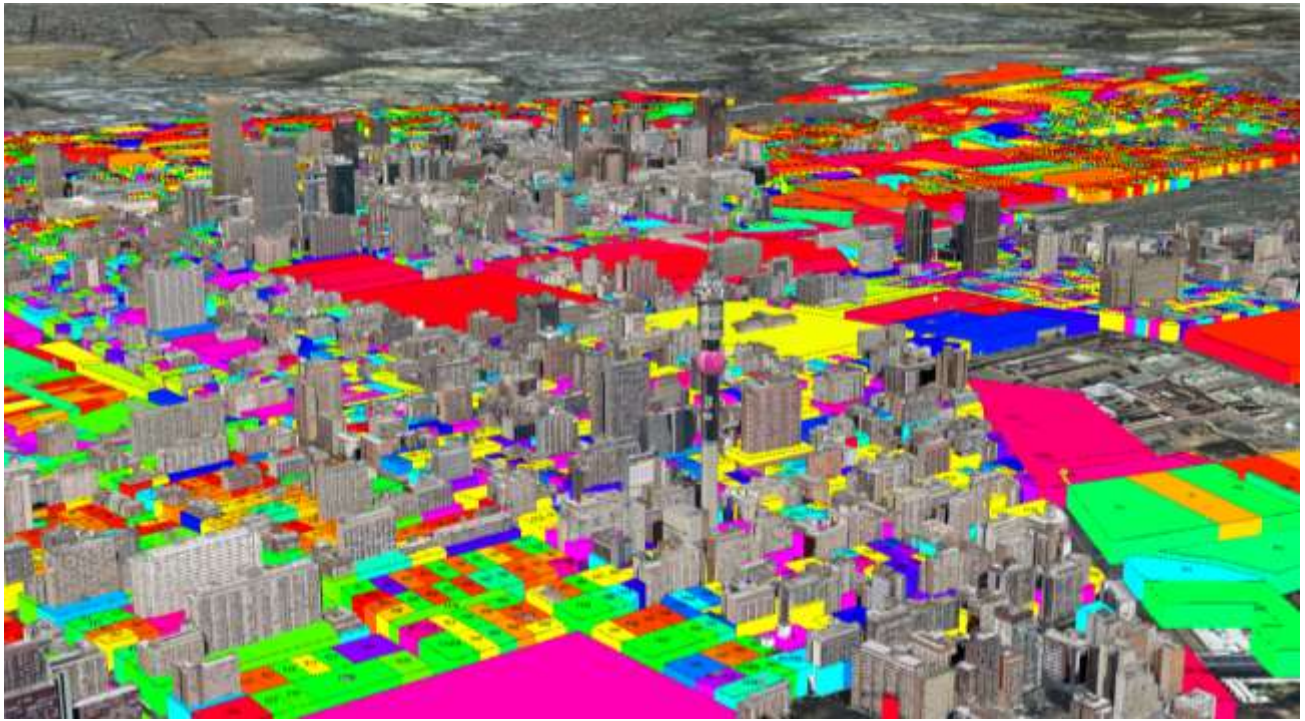
- But the virtual reality we are building is richer, more complex, maybe even more real than reality



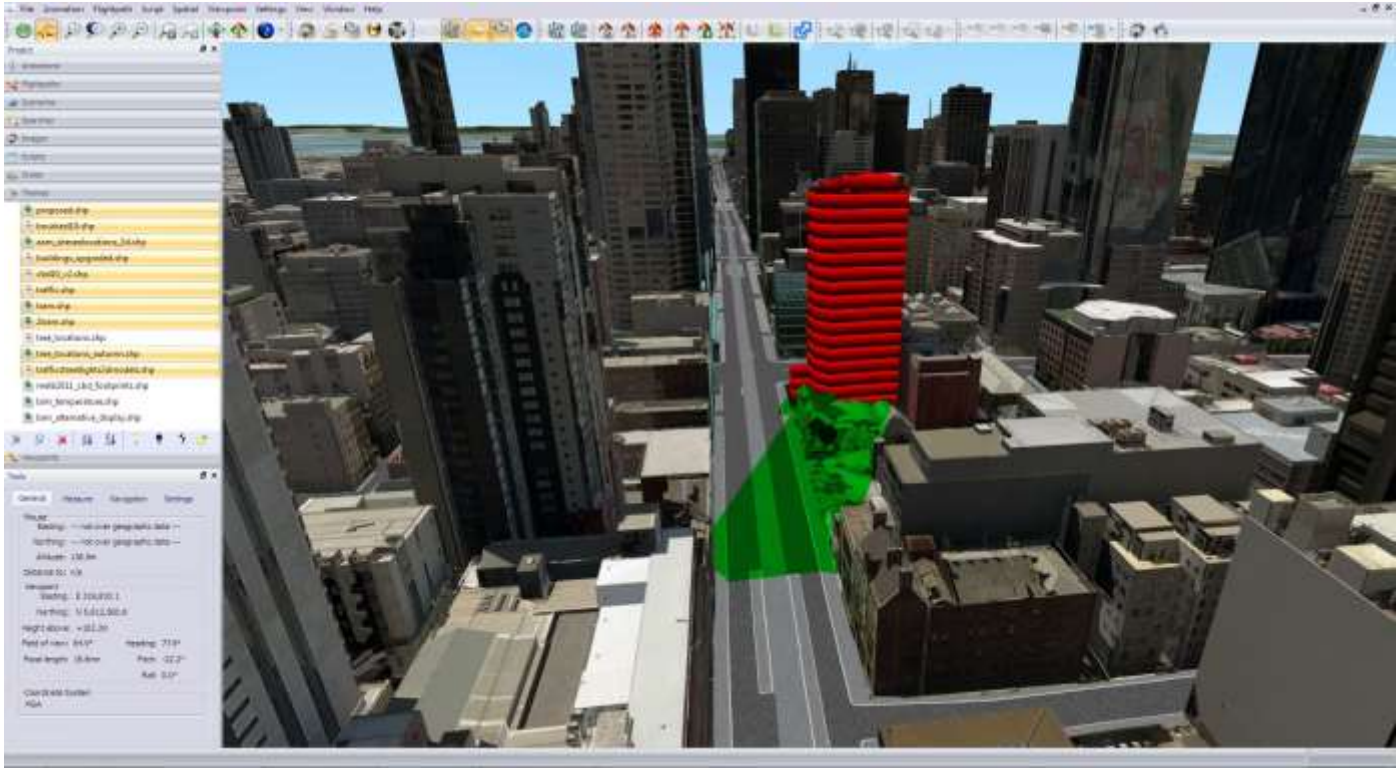


Start at the Source - Data

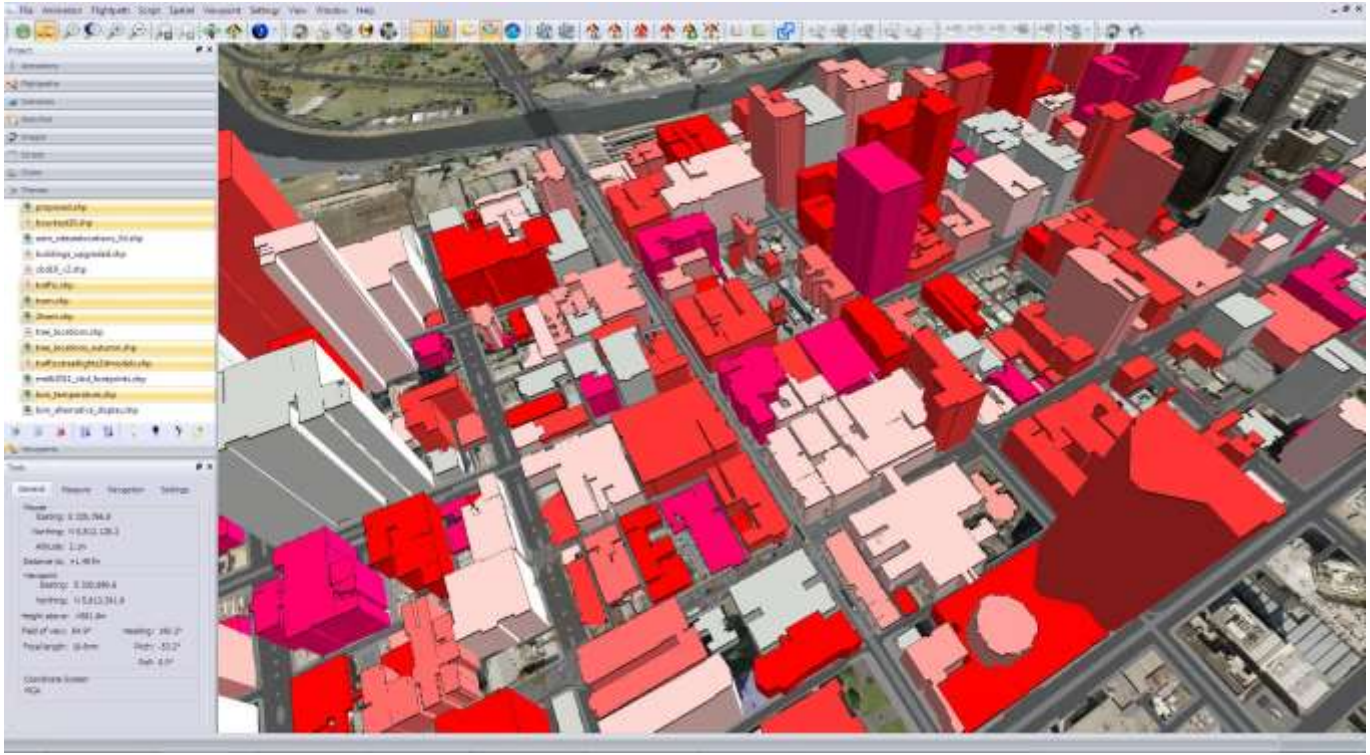
Regulatory planning



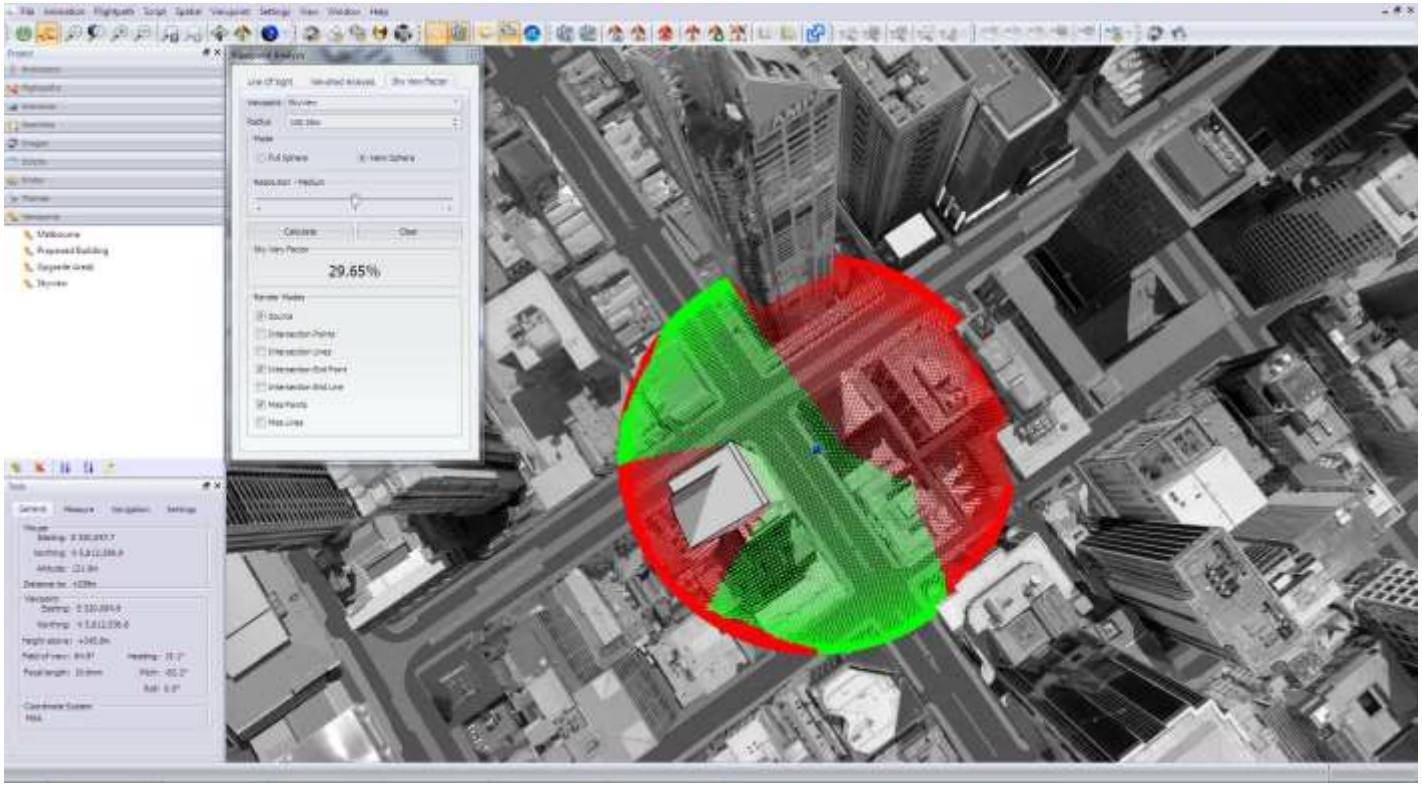
Floor height analysis



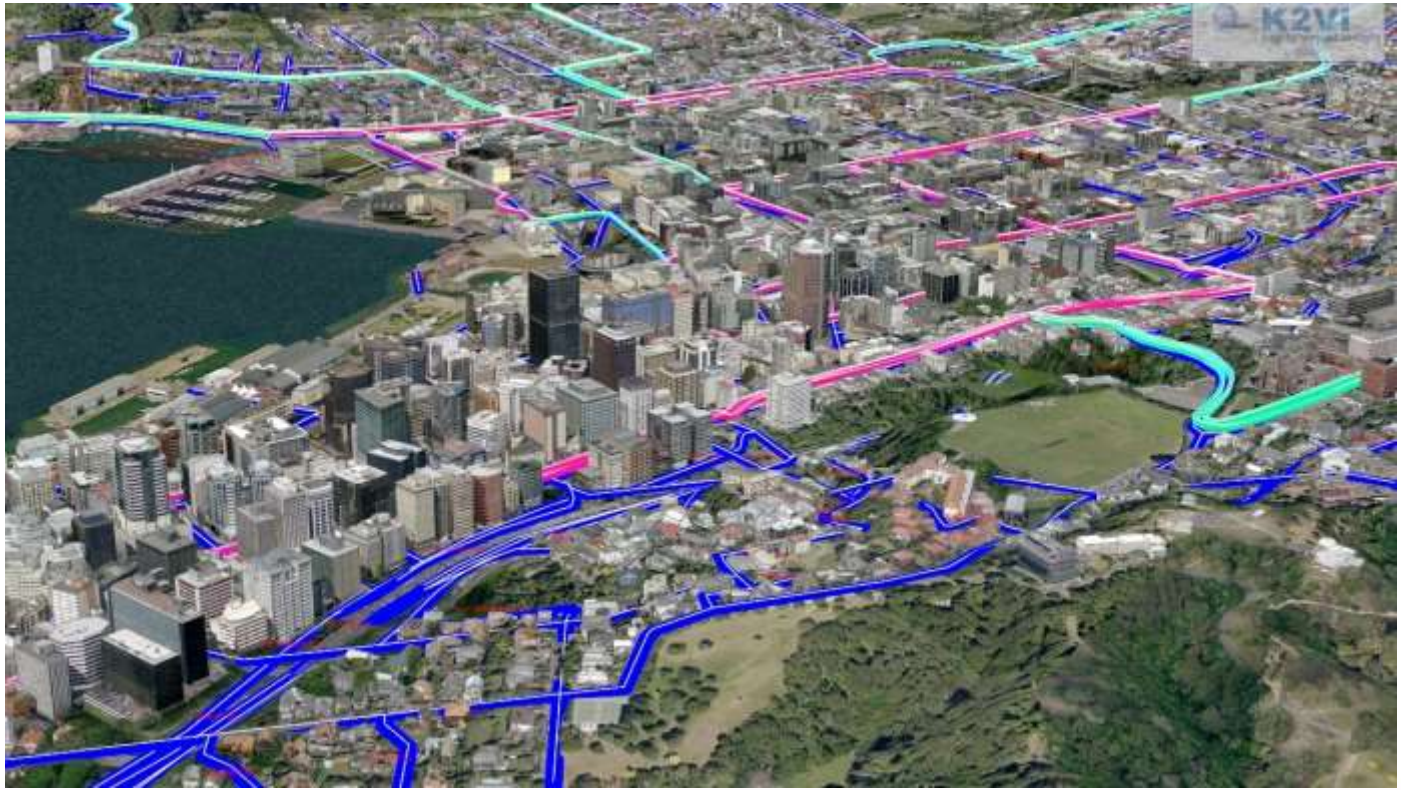
Energy loss/consumption



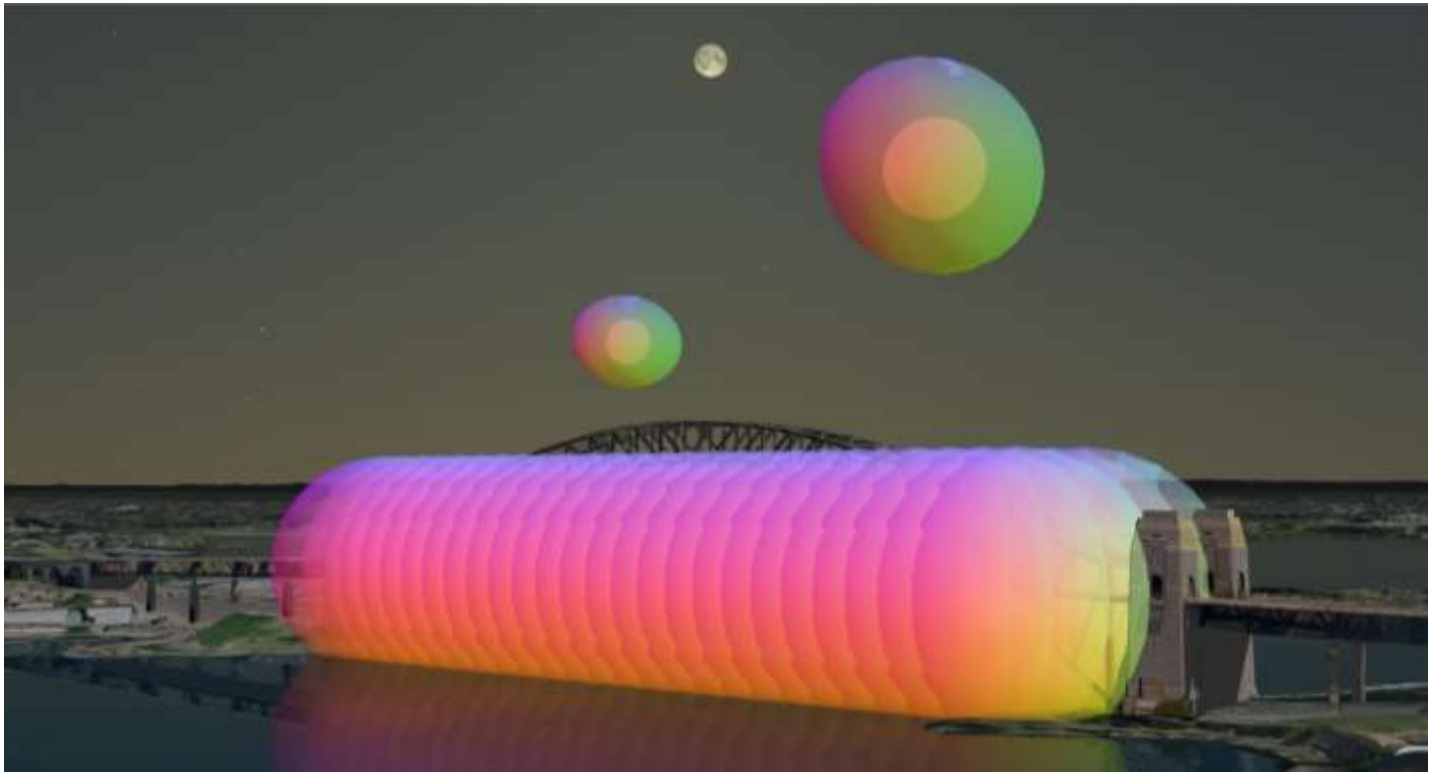
Solar potential assessment



Transport planning



Safety planning



Disaster planning

BIM as the Virtual World

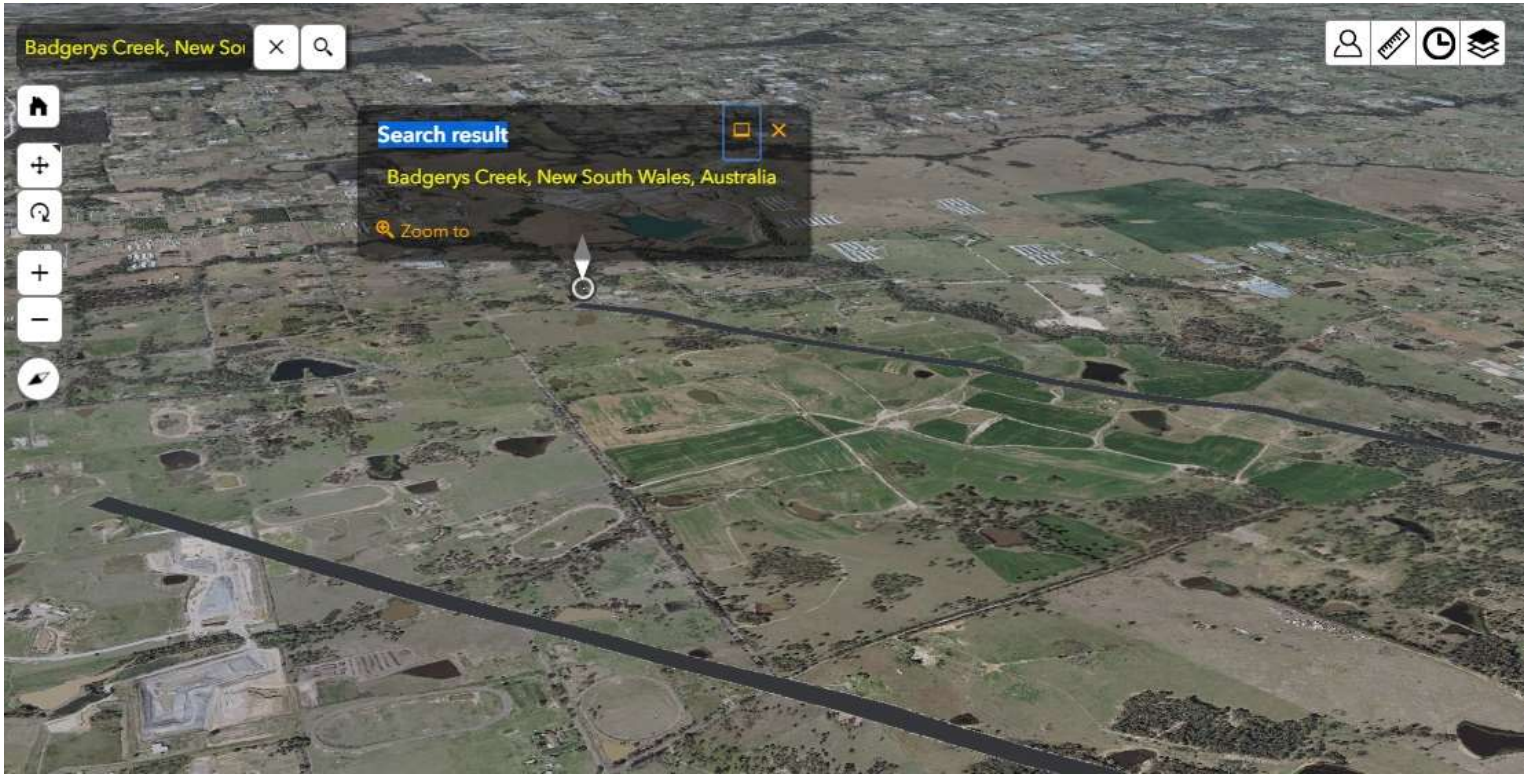
- It asks us, as the creators, and the community as the user, to share a common understanding
- We are all created equal in the virtual world and we can use this equality to help address some of the sociological problems that society has yet to solve in the physical world.

BILL GATES, *The Road Ahead*

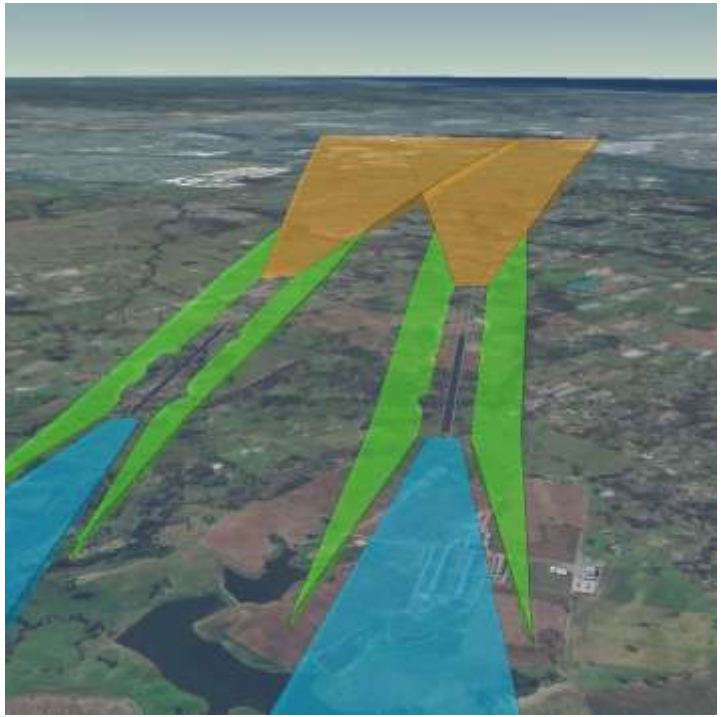
Urban Pinboard

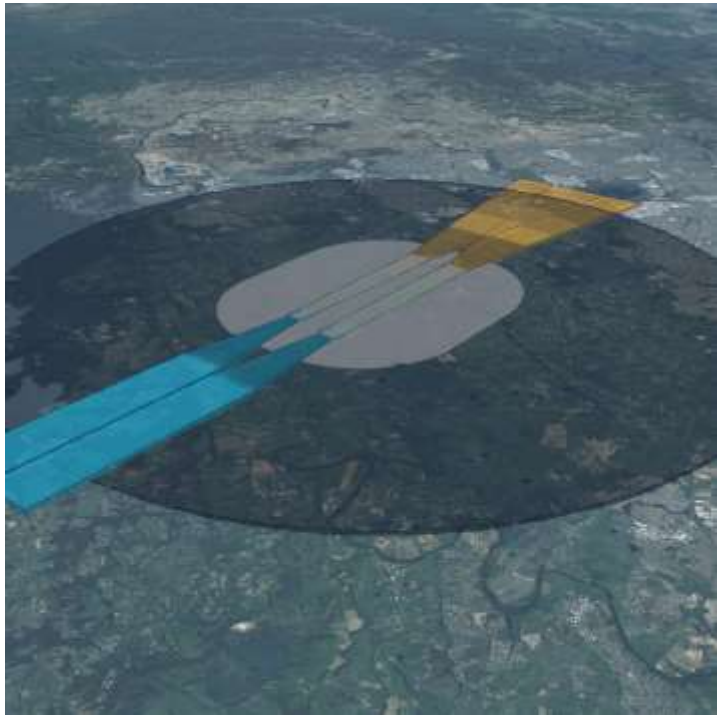
Urban Pinboard

Virtual Sydney



Virtual Sydney





Virtual Singapore