

Impact on Infrastructure Decision Making Mechanism using Advanced 3D Visualisation with PTV VISSIM

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Sunovatech Group at a Glance

- Incorporated in 2000
- Locations: India, UAE, Qatar
- Experience: +450 Projects across 6 continents
- Specialisation:
 - Infrastructure 3D Visualisation
 - Augmented & Virtual Reality
 - Traffic Simulation Modelling
 - Public Art Design (Artscape Design)
 - B2G: Big Data Management Apps.
 - CSR: Road Safety Education









YouTube Video Link: https://youtu.be/8MHn4JTFzM8









 Most infrastructure project developments are complex in nature.

Difference in Judgements from Stakeholders.

- Lack of Technical Understanding.
- Collaboration between Critical Design Components.
- Environmental Impact
- Operational and Economical Forecast
- Public Health and Safety



How It feels to be a Decision Maker

To Untie the Complex Infrastructure Quest





Impact of 3D Visualisation





Impact of 3D Visualisation

Implementing Proposals Before Reality

- Technical Impact Analysis
- Social and Economical Impact Analysis



Evaluation of Options





- Evaluation of Options
- Feasibility of Operations



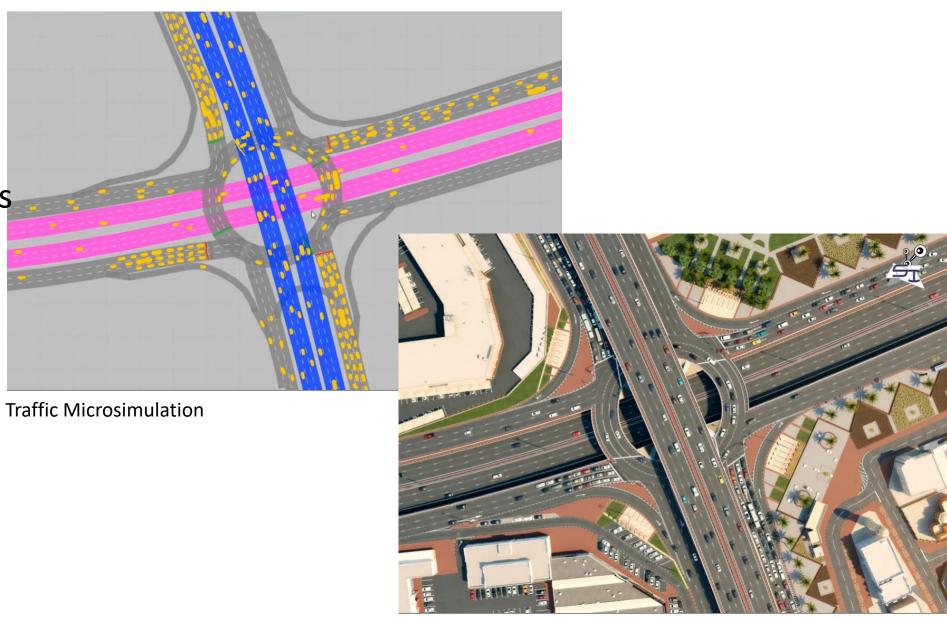


- Evaluation of Options
- Feasibility of Operations
- Collaboration of Design Components





- Evaluation of Options
- Feasibility of Operations
- Collaboration of Design Components
- Mathematical Adaptation of Engineering Analysis



Sunovatech VR Bridge – 3DS Max





- Evaluation of Options
- Feasibility of Operations
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- Environmental Impact Assessment







- Evaluation of Options
- Feasibility of Operations
- Collaboration of Design Components
- Mathematical Adaptation of Engineering Analysis
- Environmental Impact Assessment
- Impact on Urban Envelope





Impact of 3D Visualisation – Social & Economical

Economic Development





Impact of 3D Visualisation – Social & Economical

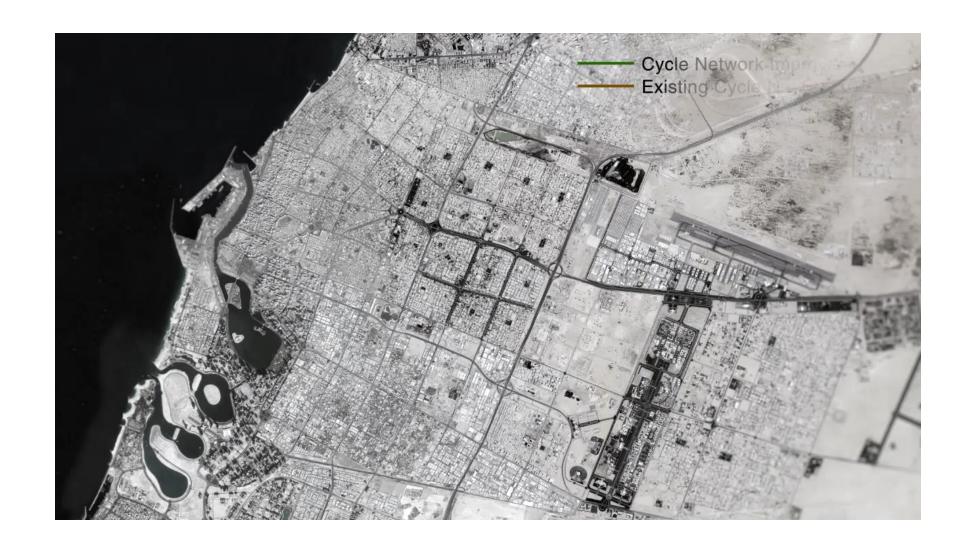
- Economic Development
- Aesthetic Feasibility





Impact of 3D Visualisation – Social & Economical

- Economic Development
- Aesthetic Feasibility
- Lifestyle Impact
- Public Health & Safety







Smarter Decision Through 3D Visualisation of Infrastructure

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Thank You

