

Creation of **3D BIM Model** for infrastructure construction in an island city in Qatar, spread across 50 square kms.



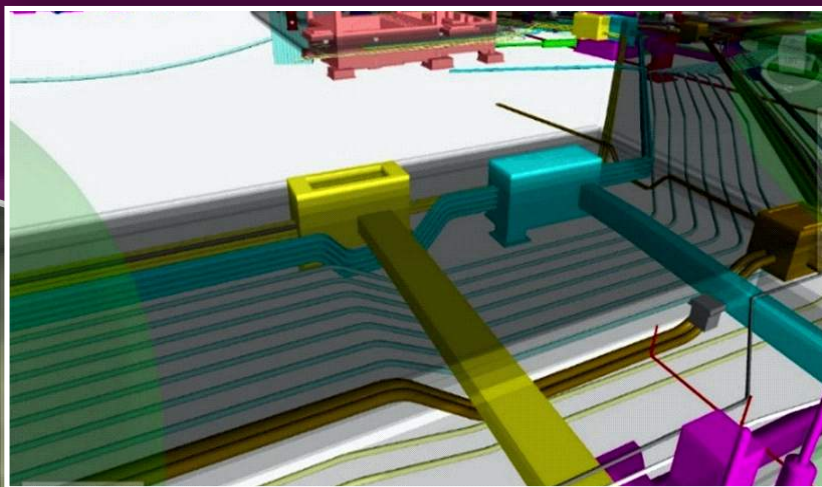
Challenges

- The complexity and intricacies of the various assets in the city's infrastructure and the on-site conditions – power, IT, telecom, wet and dry utilities, lighting, gas networks, traffic signals among others.



Excelize Intervention

- Generation of the 3D design and construction model for the complete infrastructure development
- On site clash detection and resolution. Using the scans to generate an as-Built Model
- Collaborative efforts between modelling, scanning teams, BIM manager and client teams ensured the model was taken to site.



The above images show pipelines in Revit model and actual pipelines on site

Image shows overall site modelling and landscaping



BIM Software Used: Revit, Navisworks



**Consulting - BIM Modelling - Training
brought into action by 17+ years of
experience in India, Middle East, USA.**

