“Smart cities use information and communication technologies (ICT) to be more intelligent and efficient in the use of resources, resulting in cost and energy savings, improved service delivery and quality of life, and reduced environmental footprint - all supporting innovation and the low-carbon economy.”
Connecting the Points, Lines, Arcs & Circles
Connecting the Points, Lines, Arcs & Circles

Nikhil Nayak
Architecture - India & Middle East
Built Environment 3D Models

- Architects Model
- Builders Model
- Users Model
- City Planners Model
- GIS Analytics
- BIM
  - Construction
  - Maintenance
- Practical use by real users
IoT
Information Accessibility is Critical
UPRN – Unique Property Reference Number is consolidating information from various sources about the property
Retrofitting Project

 Heritage Conservation
 Energy Efficiency
 Structural Improvements
 Architectural Reuse
Retrofitting Project

Trimble Scanners  Point Cloud Data  SketchUp Model  QTO in VICO
QTO & Estimation in VICO

Cost estimation

Cost estimate
QTO & Estimation in VICO
Project Scheduling in VICO
Immersive Experiences
Immersive Experiences

Visionary customers - L&T
Hardware/OS agnostic

Themes

- Context-driven workflow - AR
- Closing gaps - Tango
- Real 3D - VR
Built Environment 3D Models

- Architects Model
- Builders Model
- Users Model
- City Planners Model

BIM
- Construction
- Maintenance

GIS Analytics

Practical use by real users

Design
Aesthetics
Q & A