MAPALYTICS

3D MAPS REDEFINED

PRESERVING the **PAST**

MAPPING the FUTURE

Jazz xlr8

National Incubation Center

Services

Topographic – Aerial Mapping

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Large Area Mapping with Fixed Wing Drone

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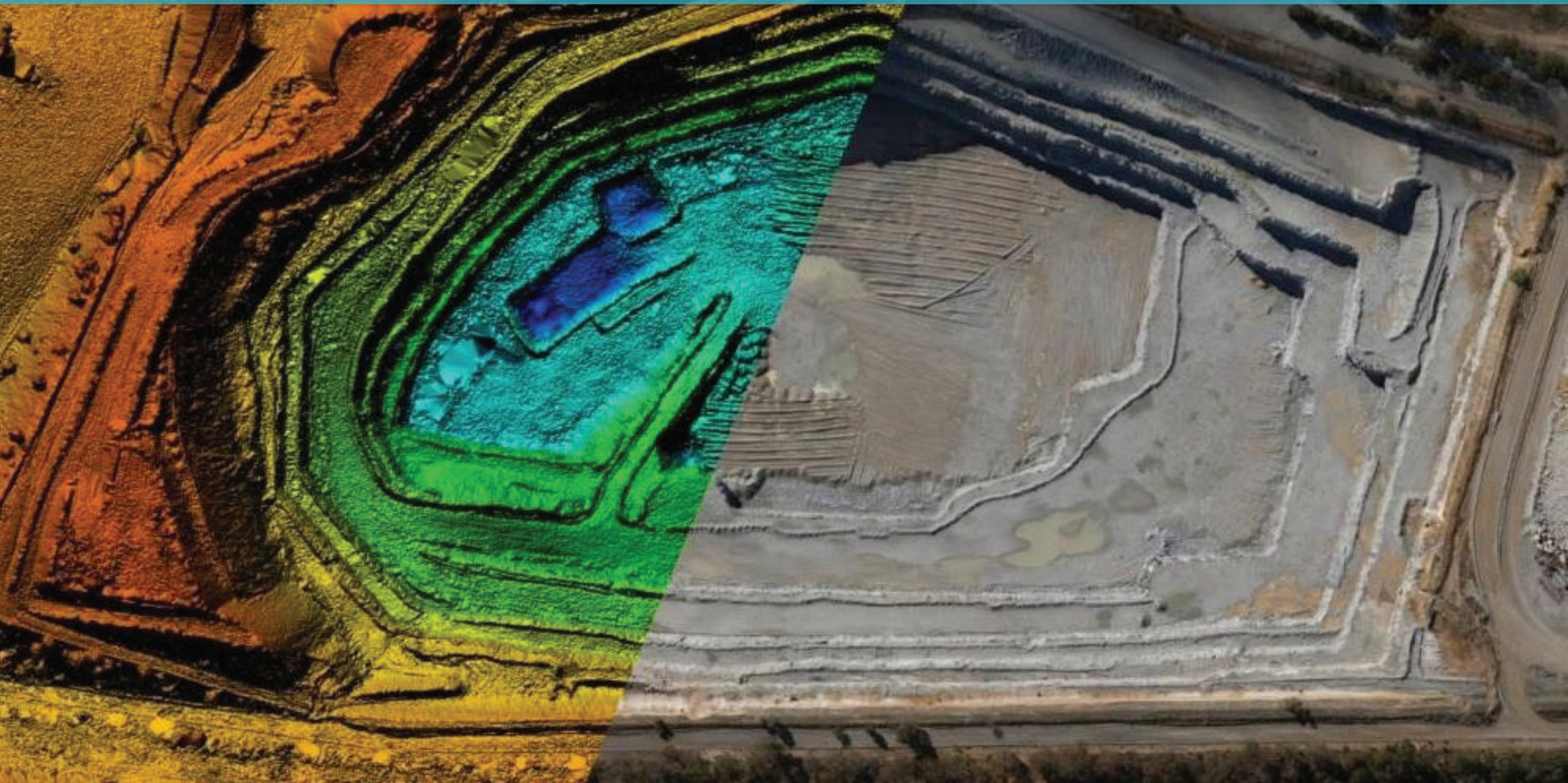
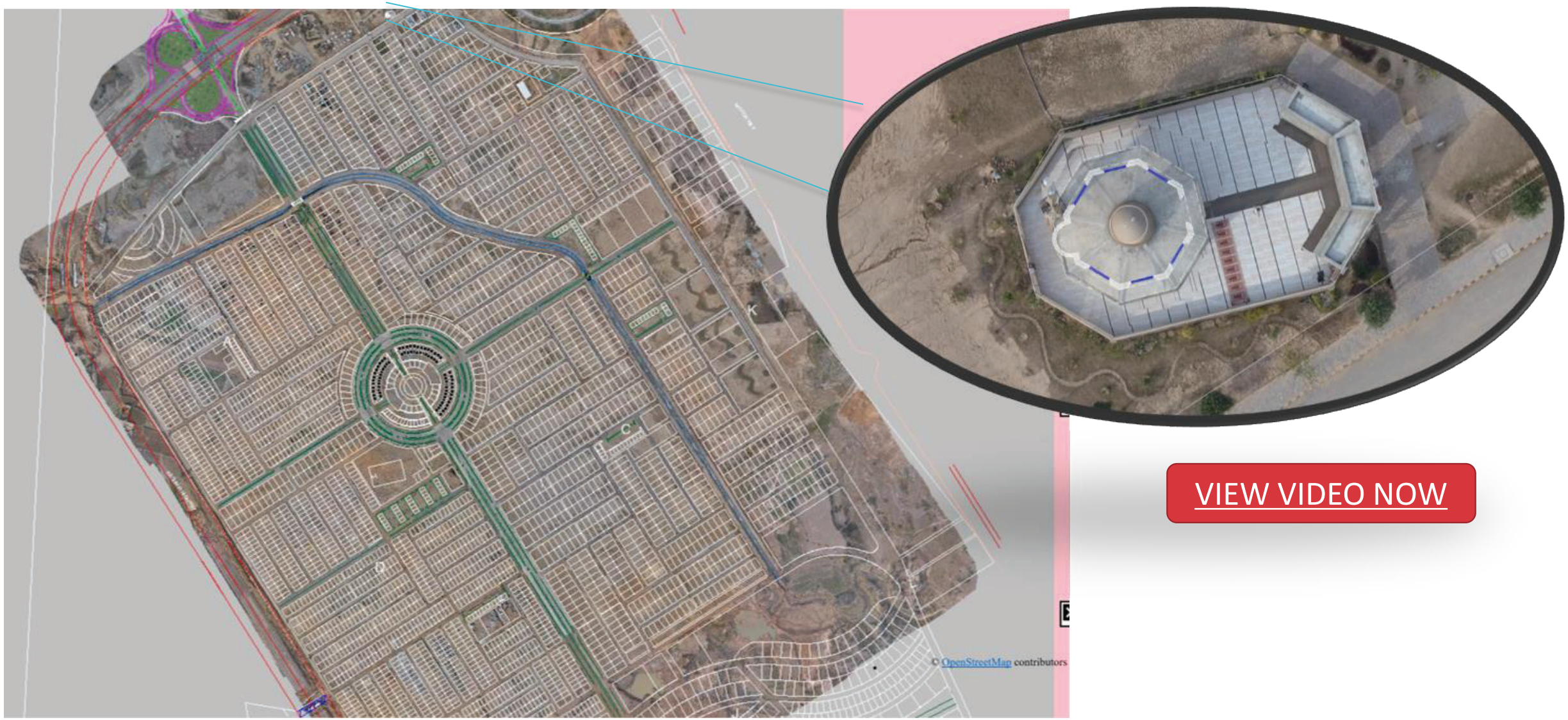
DEM

Ortho-Photo



Highest Level of Detail



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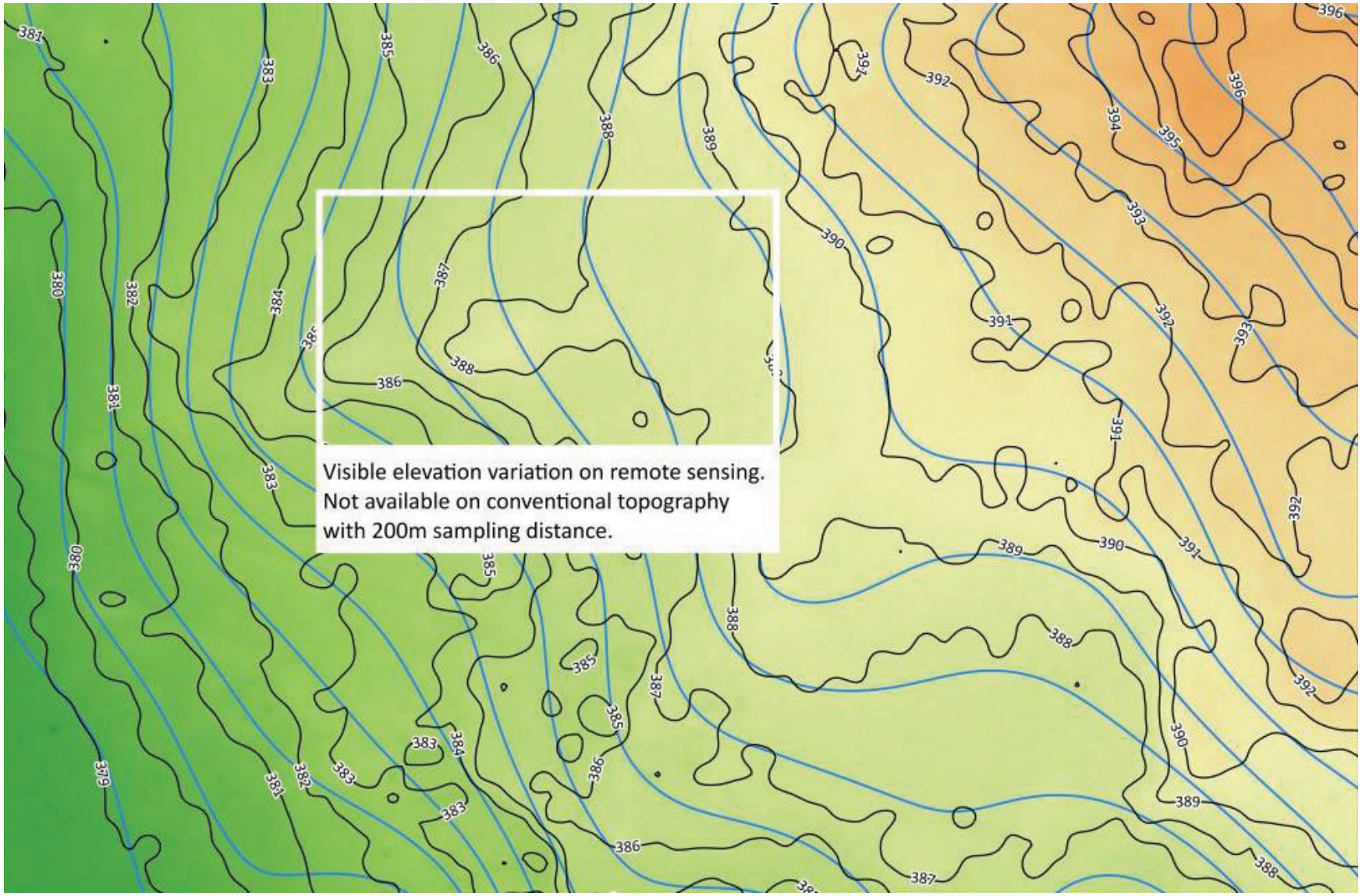
Accurate Contours in Comparison to Traditional Methods



- UAS Survey
- traditional

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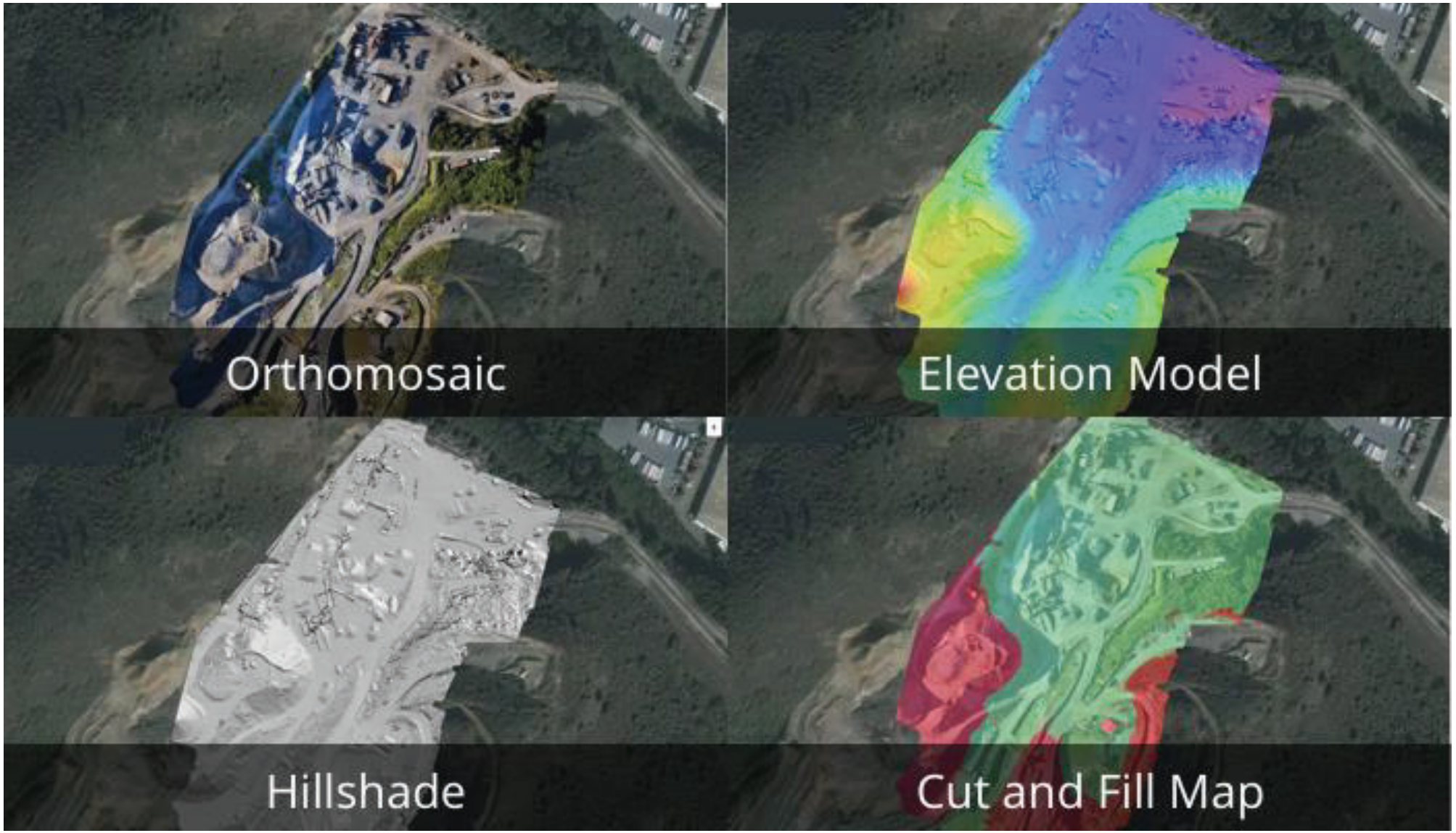
Multiple Layers



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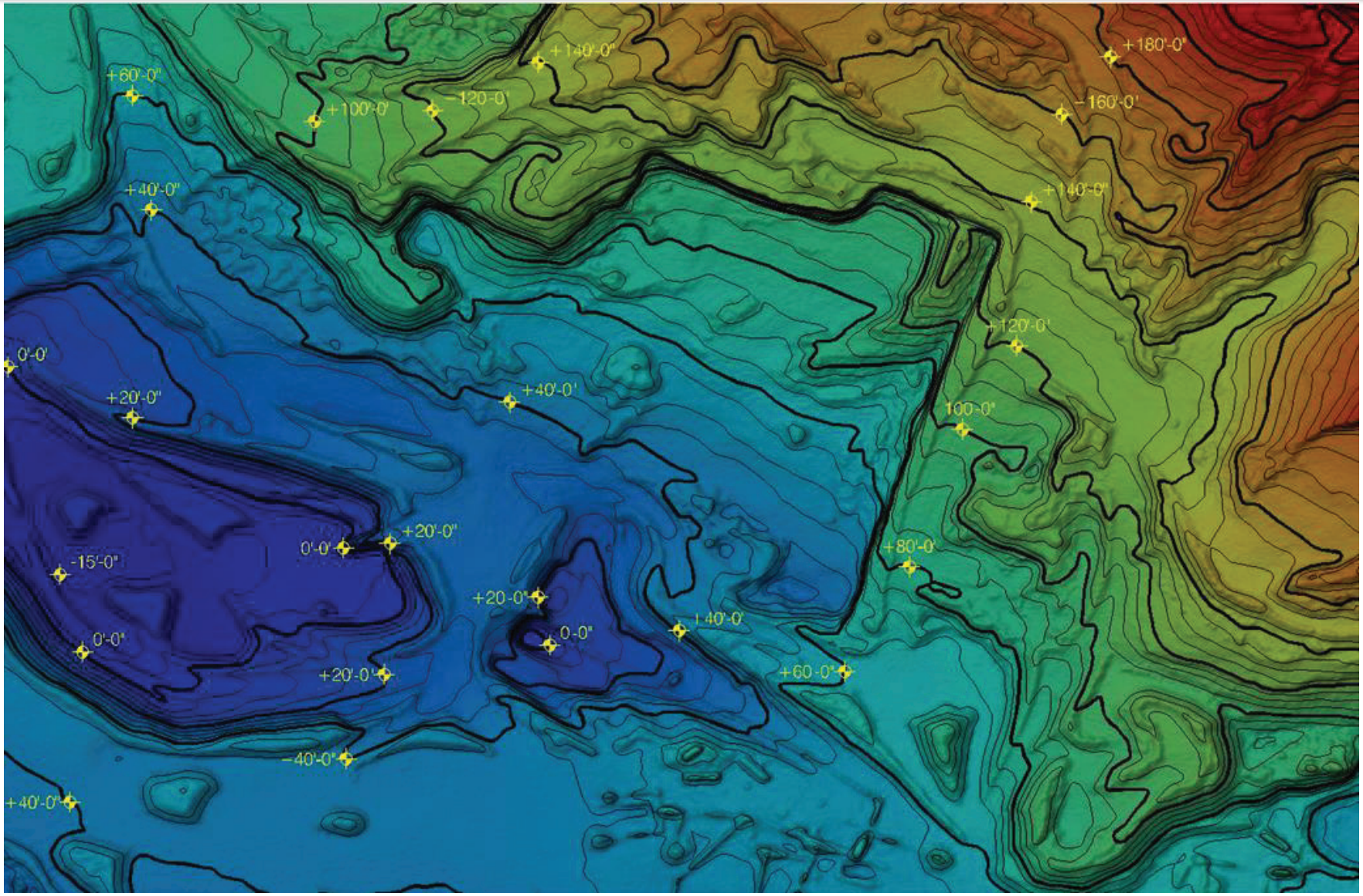
Digital Elevation Model and Contour



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Accurate Measurements

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Visual and Topographic Mapping

Traditional surveying is **slow** and **expensive** - it is unreasonable to do regularly.

- Manage your site works and operations with ease
- Key Features
  - **Fast Accurate Remote Progress Monitoring**
  - **High Resolution** Drone maps
  - Progress **report** on **design** and **actual levels**
  - **Cut and Fill report**
  - Perfect tool for **QA/QC**
  - **Web platform** for user friendly viewing of maps
  - Navigate to maps of different dates by clicking on the dates

Overview of Advantages

10x
Higher Resolution

10x
Faster

35%
Cheaper

Web
Portal

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Dangerous Terrain Mapping

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Ortho-Mosaic

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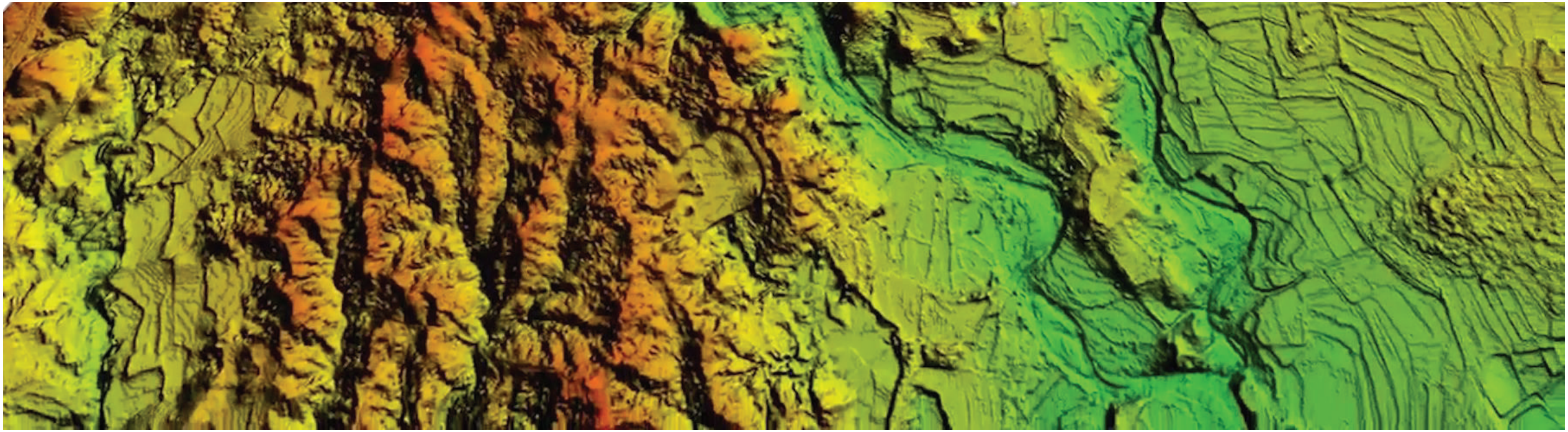
Digital Elevation Model



Virtual Reality Marketing and Progress Monitoring

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Time Travel VR Portal – Progress Monitoring

Validating monthly **invoices** and changing orders is **difficult without** the **right data**

- Explore the site with **360 degrees**
- Key Features
  - Monitor, share, analyze on-site construction updates with complete record on portal
  - **Automatic archiving** of data for **visual auditing**
  - Impactful **marketing tool** for
    - **Google Street View**
    - Website
    - Facebook 360

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Marketing Content

- Virtual Reality tours of Built Sites
  - Video for Facebook/Youtube (View here)
  - Walk through tours using WebVR (View here)
- 3D Render Models – Architectural Visualization of to be constructed Sites
  - Smart Villas (View Here)
  - Full Walkthrough (View Here)
  - Architectural Rendering Showreel (View here)

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Geographical Information and System

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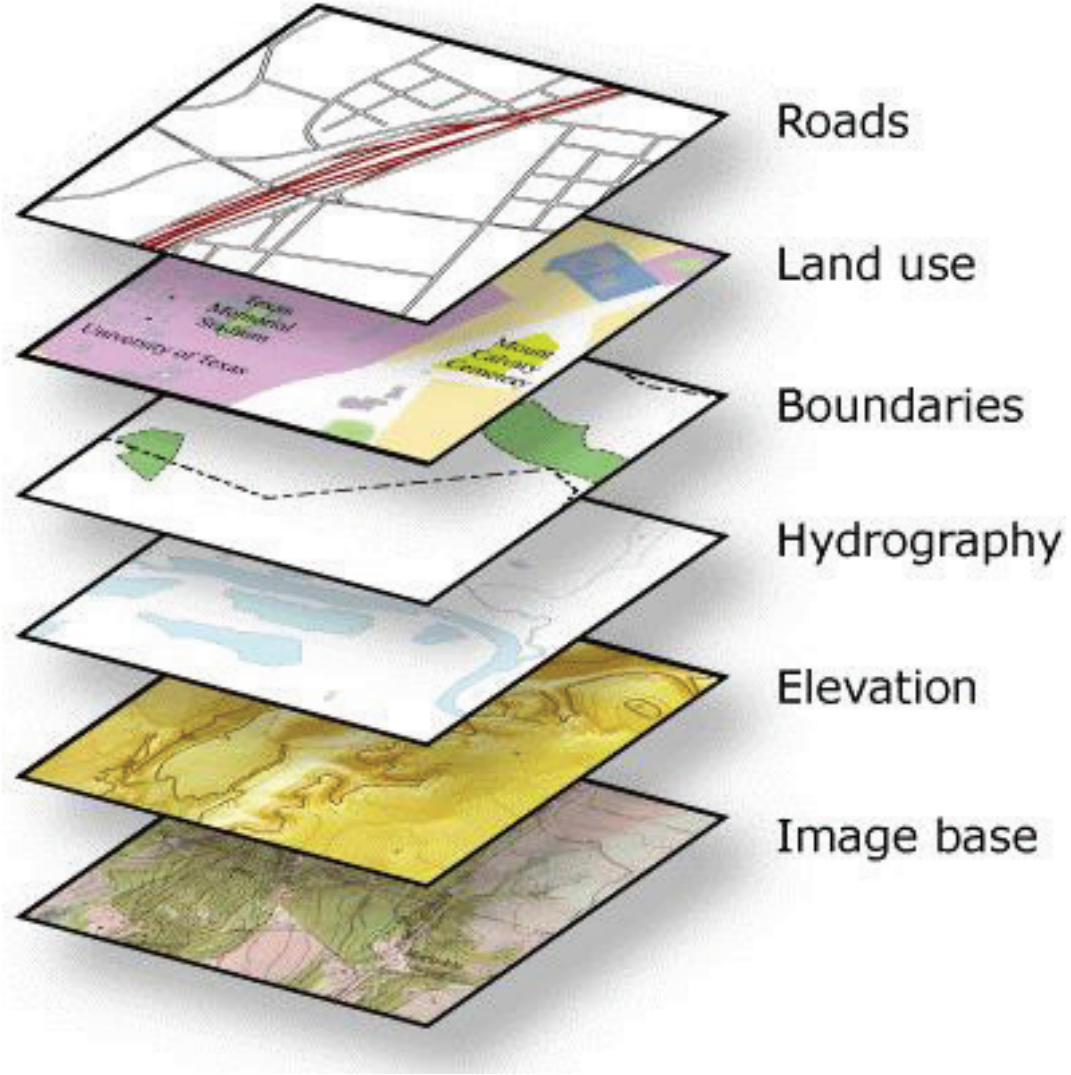
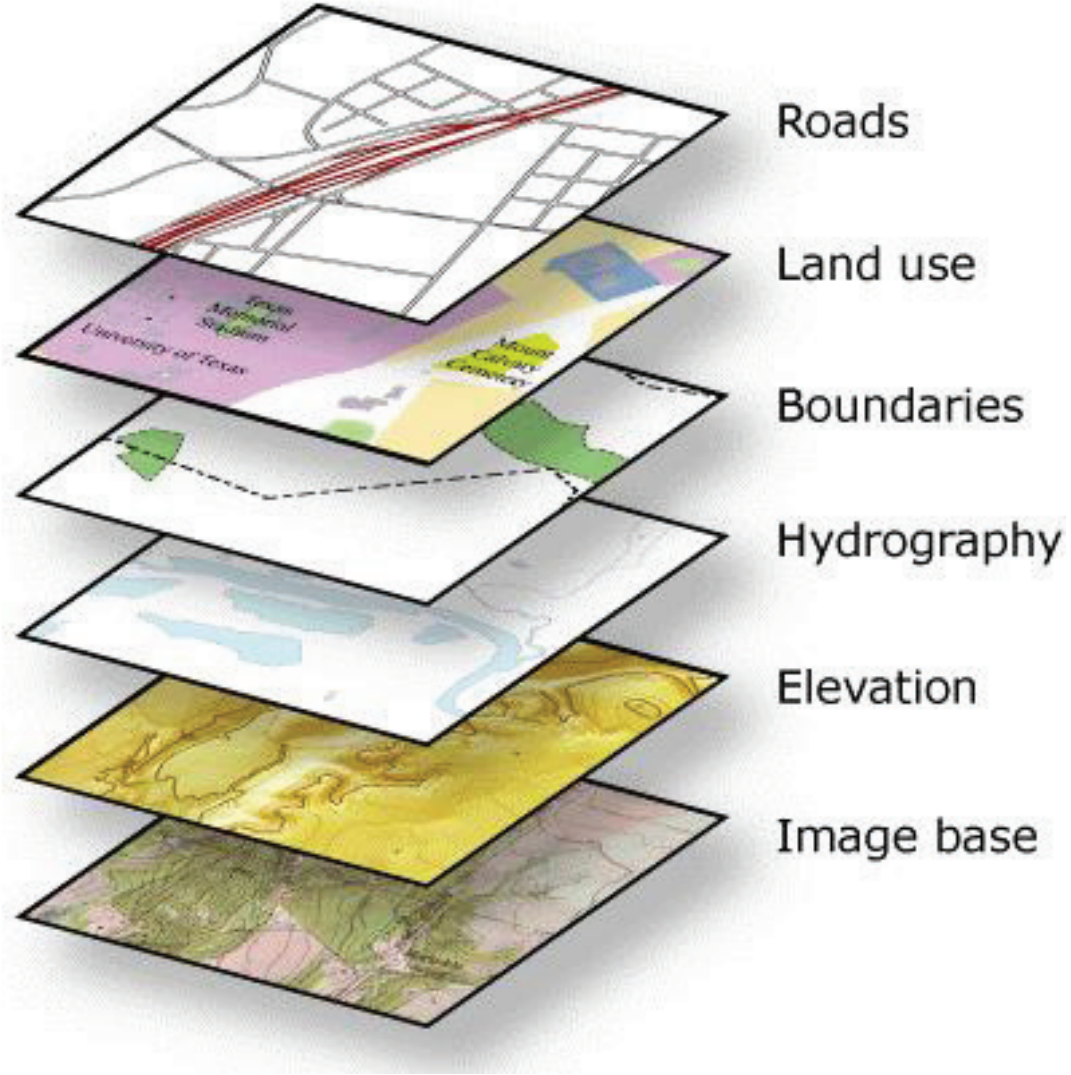
Geographic information system (GIS)

- Geographic information system (GIS) technology provides the **tools** for creating, **managing**, **analyzing**, and **visualizing** the data associated with developing and **managing infrastructure**



Why GIS

- **Save Time** and **Cost** by having all data under **one platform**
- Data Integration, Visualization, and Managements
- All data uploaded organized with time stamp
  - **underground,**
  - **ground level**
  - **above ground**
- **Data integrity** with **no reliance on one individual**
- **Asset management** once constructed
- **Track** and manage **changes**



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NUTSHELL

GIS Provides the Framework for Analysis and Decision Making
Data Integration and Management
Visualization and Mapping
Science
Analysis and Modeling
Understanding
Planning and Geodesign
Action
Decision-Making
Collaborating
Transforming How We Think and Act . . .
. . . Creating a More Sustainable Future

Web Based GIS Platform

- **Save Time** and **Cost** by having all data under **one platform**
- Add , Remove and Edit layers of Data on the fly
- **Improve cross-collaboration**
  - Improve internal and external communications, as teams can work collaboratively to create, edit, publish and share maps with key project shareholders internally or externally within an organization
- **Access webmaps from any device remotely**
  - A Web GIS allows GIS consultants, specialists and teams to become mobile as webmaps are accessible on desktop, tablet and mobile as long mobile data is enabled**.**
- **Publish and share multi-layer features and points on a single webmap**

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WebGIS

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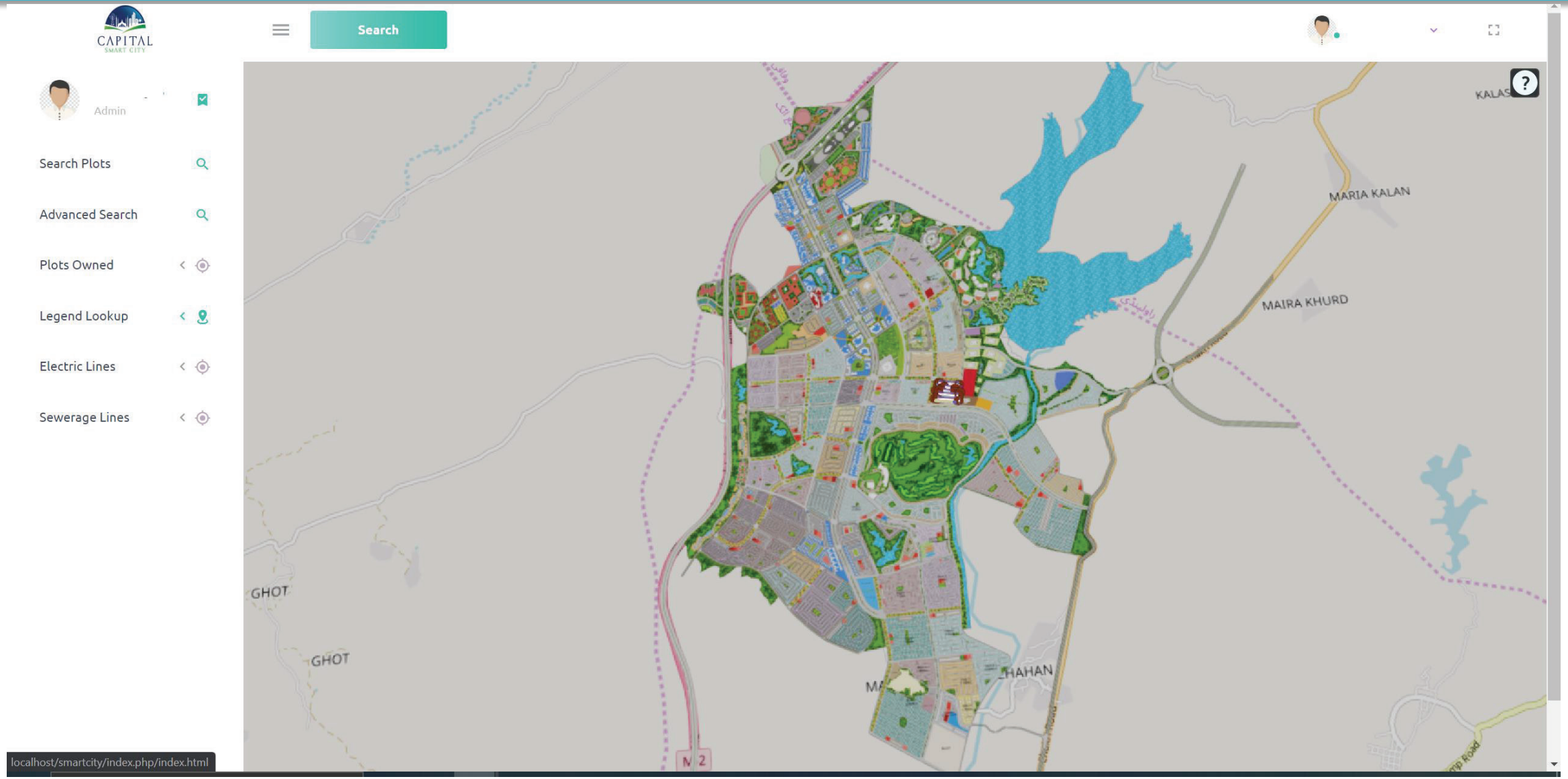
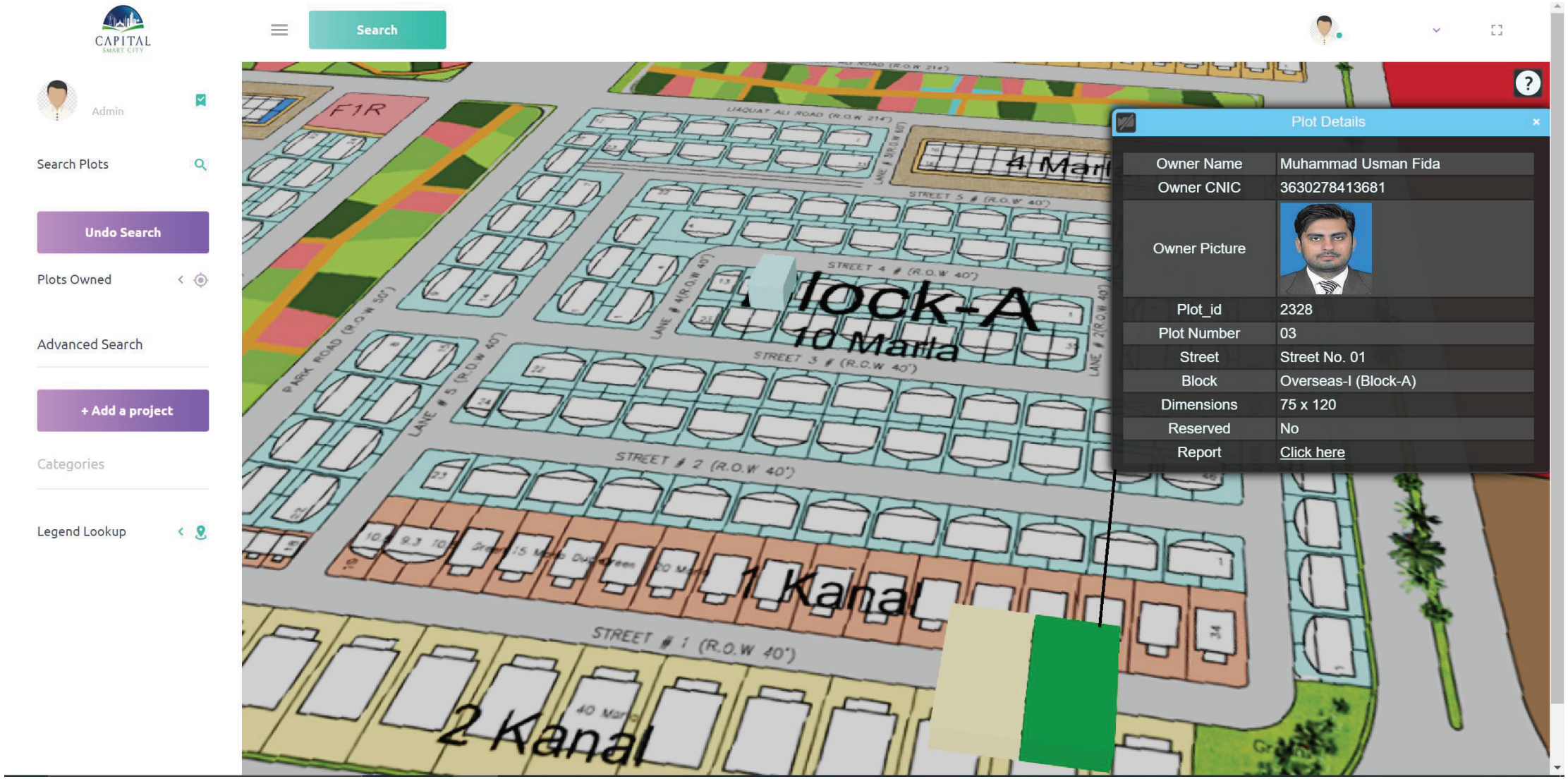
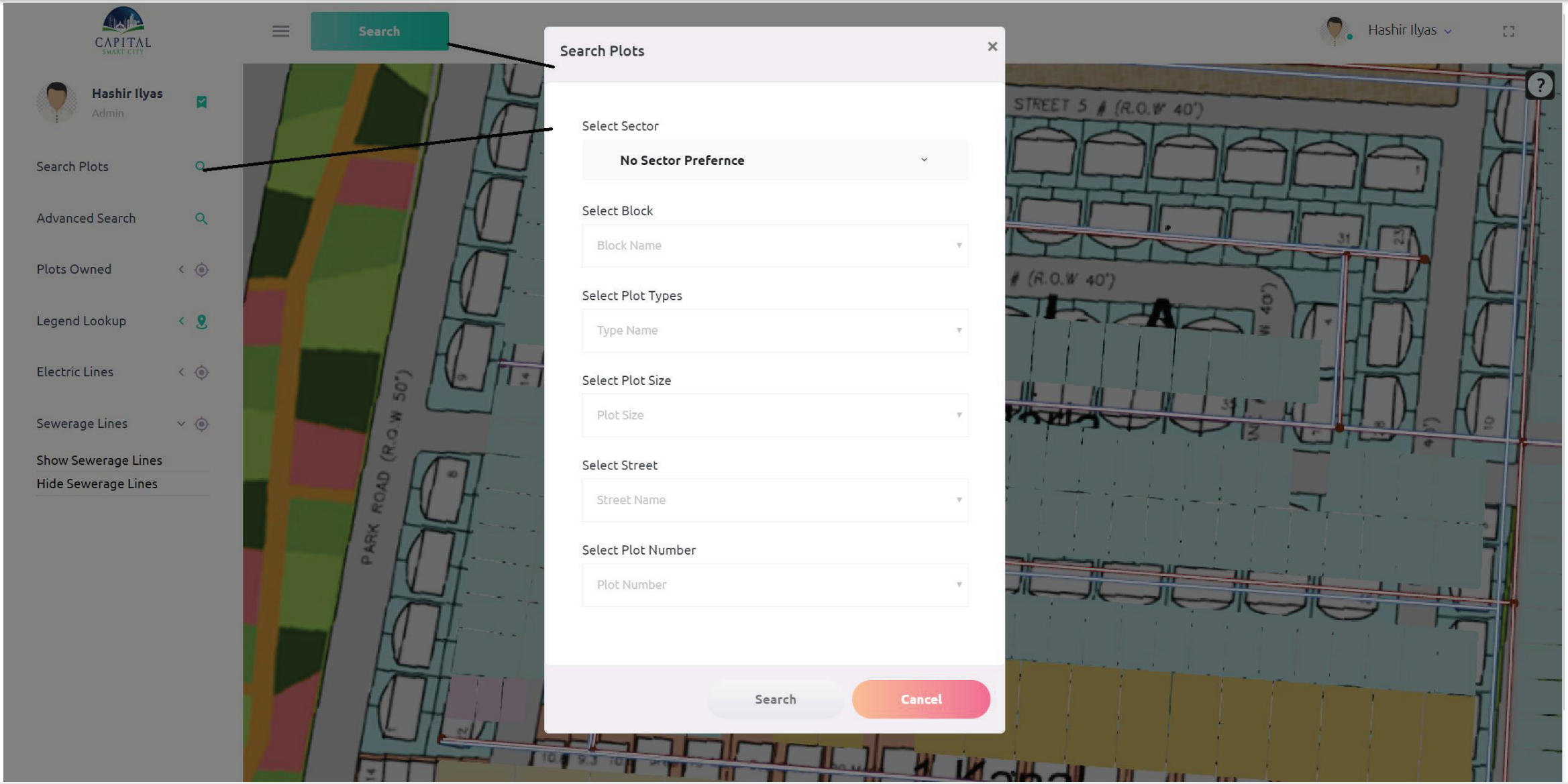
WebGIS Portal Smart City



Plot Ownership Filtering



Advanced Filtering



Print Out Sheet from WebGIS Portal

FDH Future Developments Holdings (Private) Limited

Project: **Capital Smart City** Zone: **Overseas-I (Block-A)**

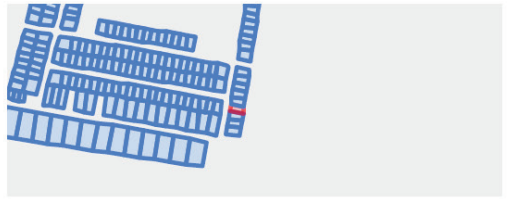
APPENDIX-A PLOT SPECS

LEGEND

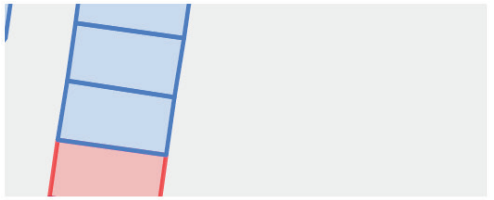
- Your plot
- Other plots
- Road
- Bus Stop

CAPITAL SMART CITY

Plot Serial No: **OB 01**



PLOT LOCATION



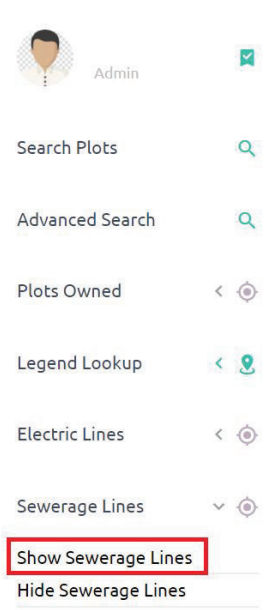
PLOT LOCATION

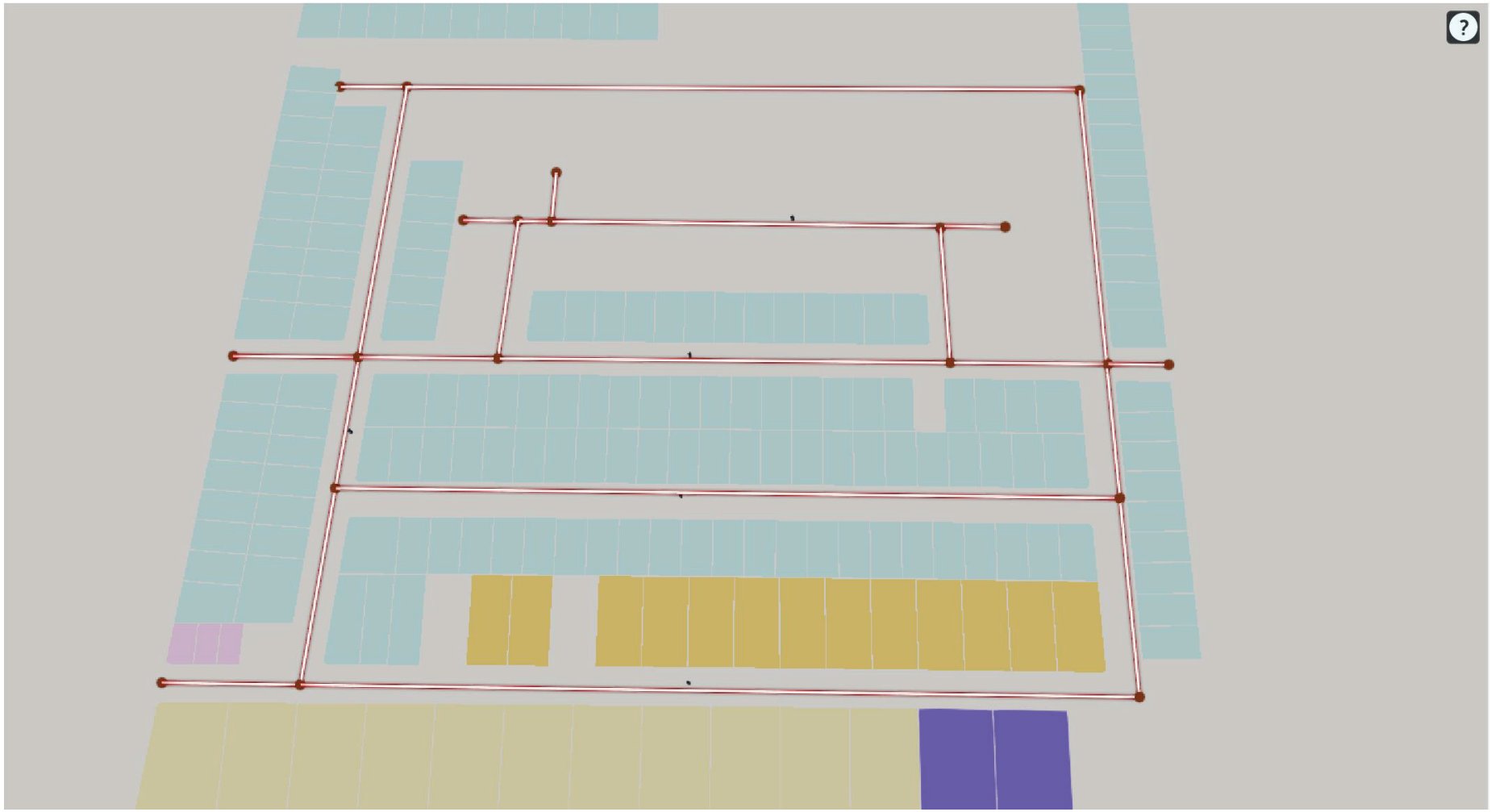
X-SECTION

Building Harmony

Property		Plot Category		Property		Property Atts		Building Volume		Parking		Utility Requirements		
Block	Overseas-I (Block-A)	General	-	Highest Total GFA	80%	Highest (RES) GFA	80%	No of Floors (Recommended)	GF+1.5	Min. No of Parking lots	1 car	Utility	Units	VOL
Street	Lane No. 01	Corner	Yes	Land Usage	Residential	Highest (Commercial) GFA	Nill	Highest Com GFA	Nil	Allowable Parking Levels	Nil	Electricity Demand	KW	2
Property No	04	Park Facing	-	Highest Plot Coverage	-	Highest Community Facility GFA	Nil	Highest CF GFA	Nil	Surface Parking	Nil	Portable Water Avg Demand	m^3/day	1.134
Property Area	Marla: 10, Sft: 250	Main Road:60-99	-	FAR	1:1.56	-	-	-	-	-	-	Sewarage Avg Flow	m^3/day	0.907
		Main Boulevard:100+	-	-	-			-	-	-	-			

Utility Network GIS Portal





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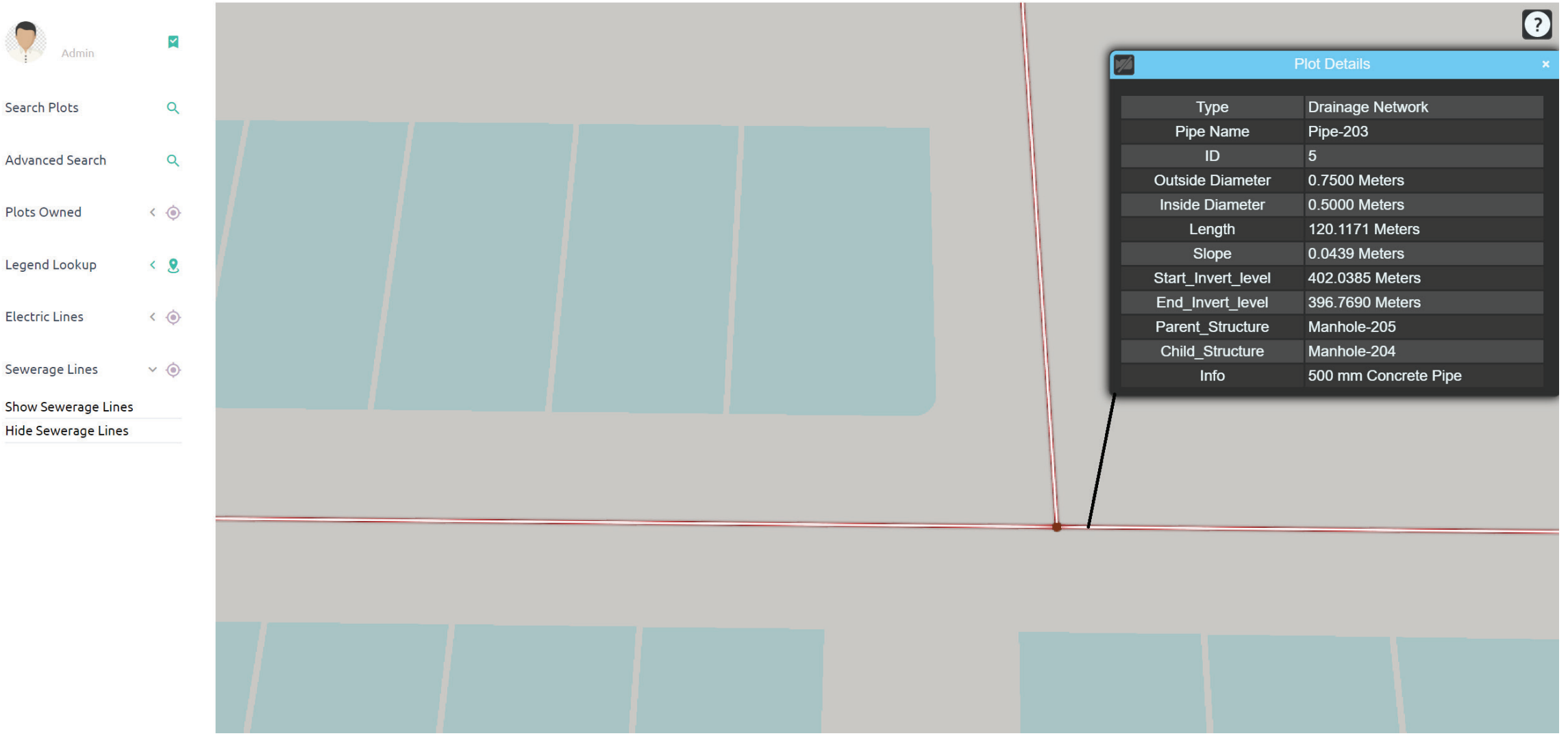
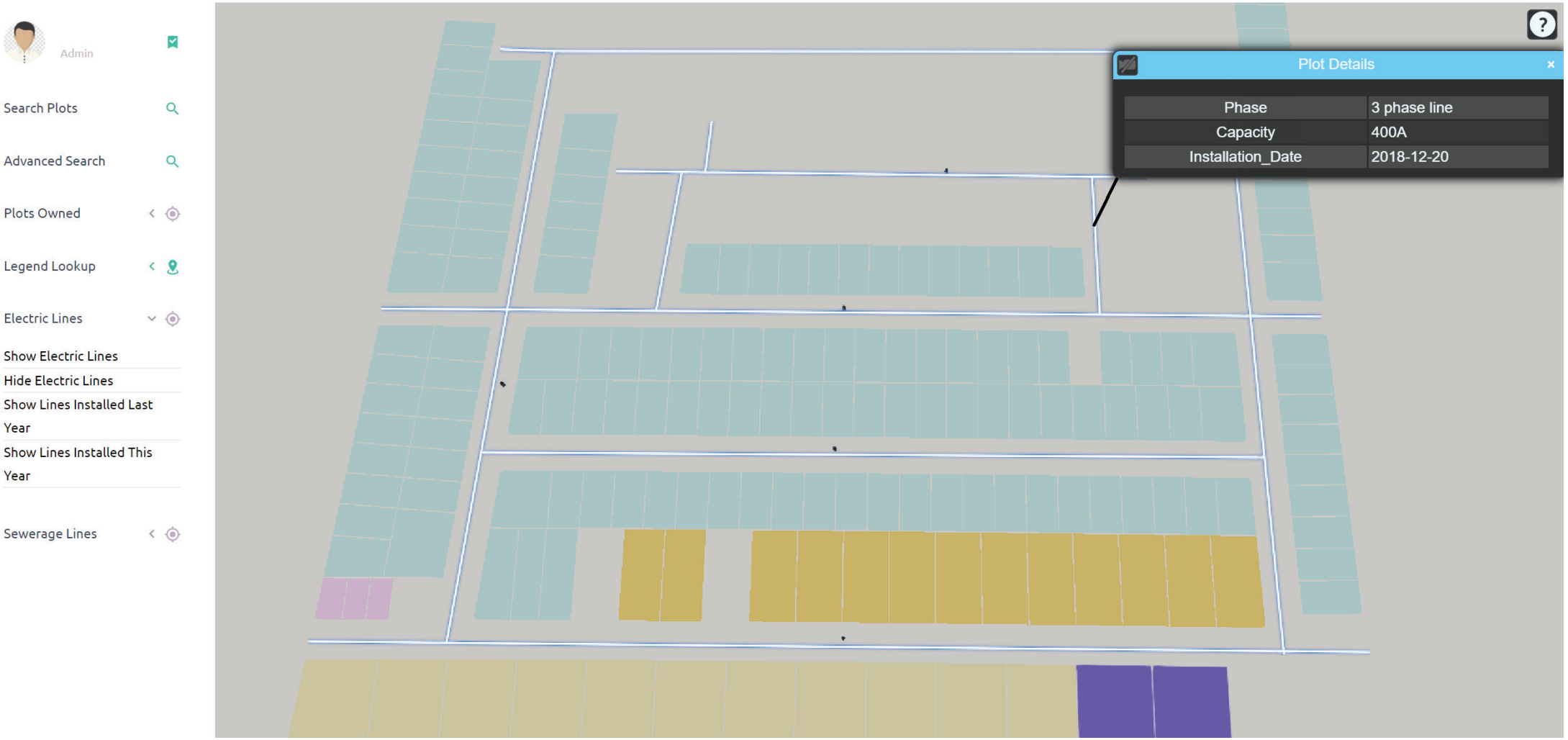
Drainage Network Details – WebGIS Portal



Electricity Network – WebGIS Portal



WebGIS Portal with 3D Buidlings

Khasra WebGIS App

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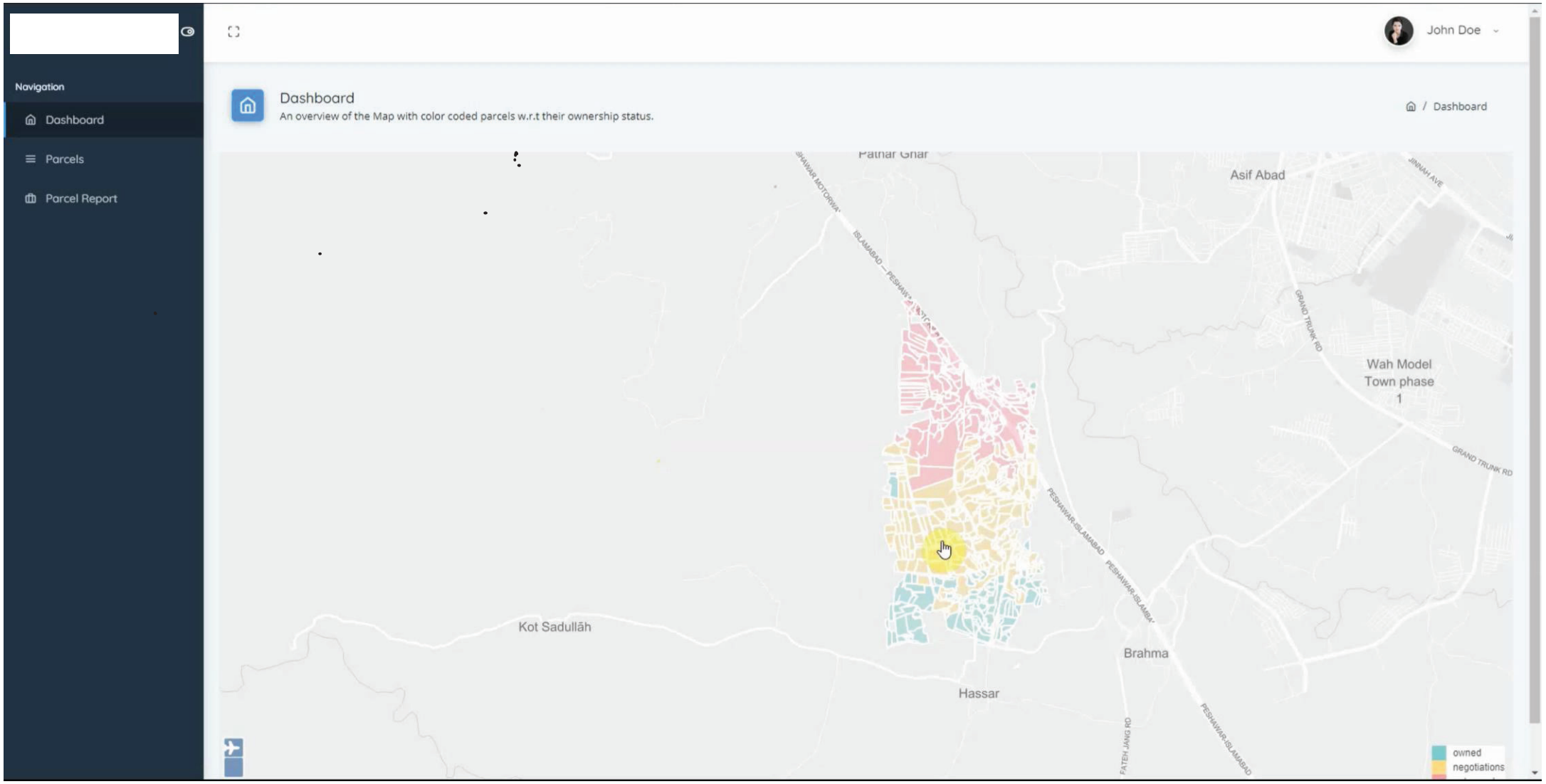
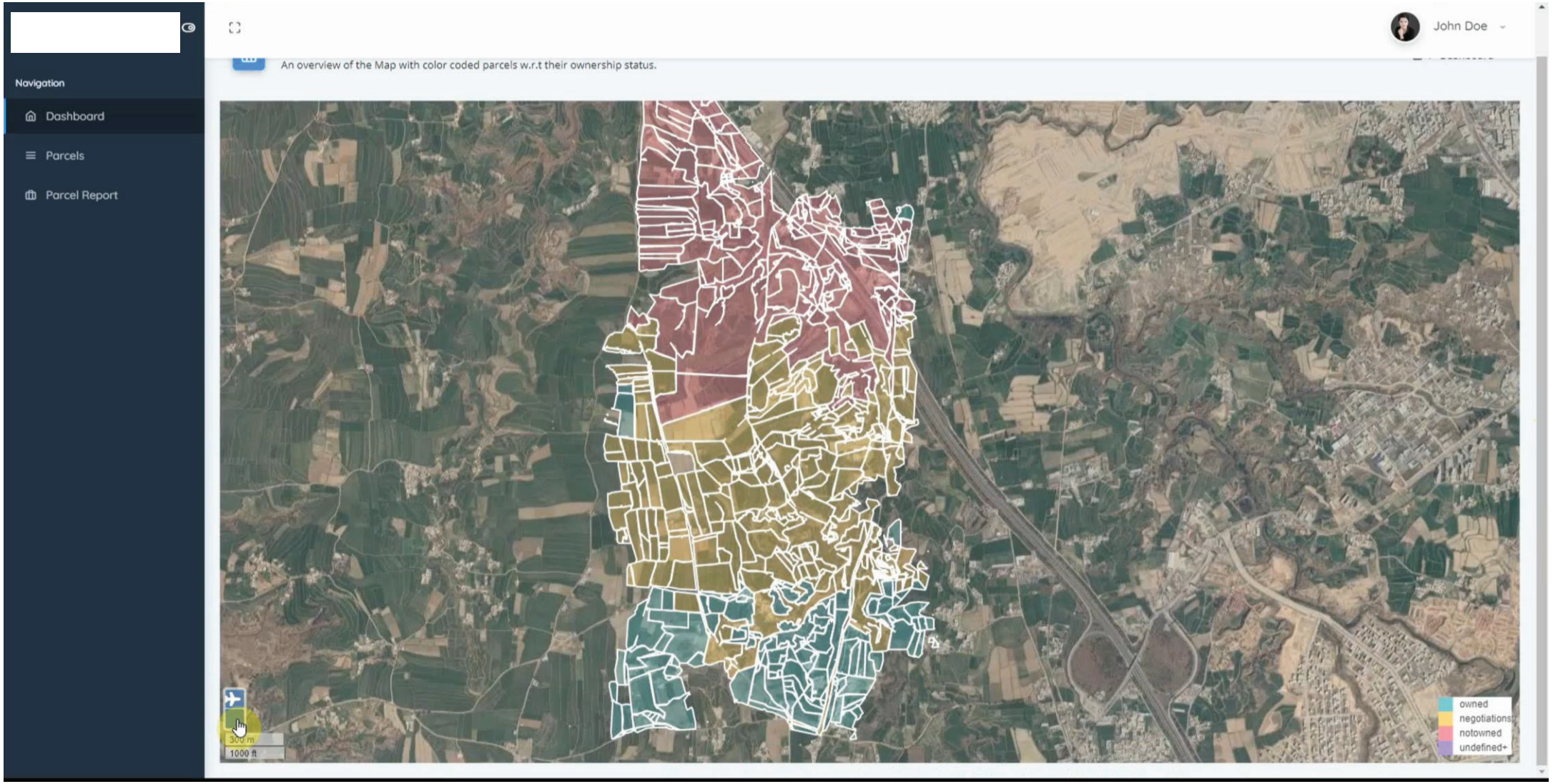
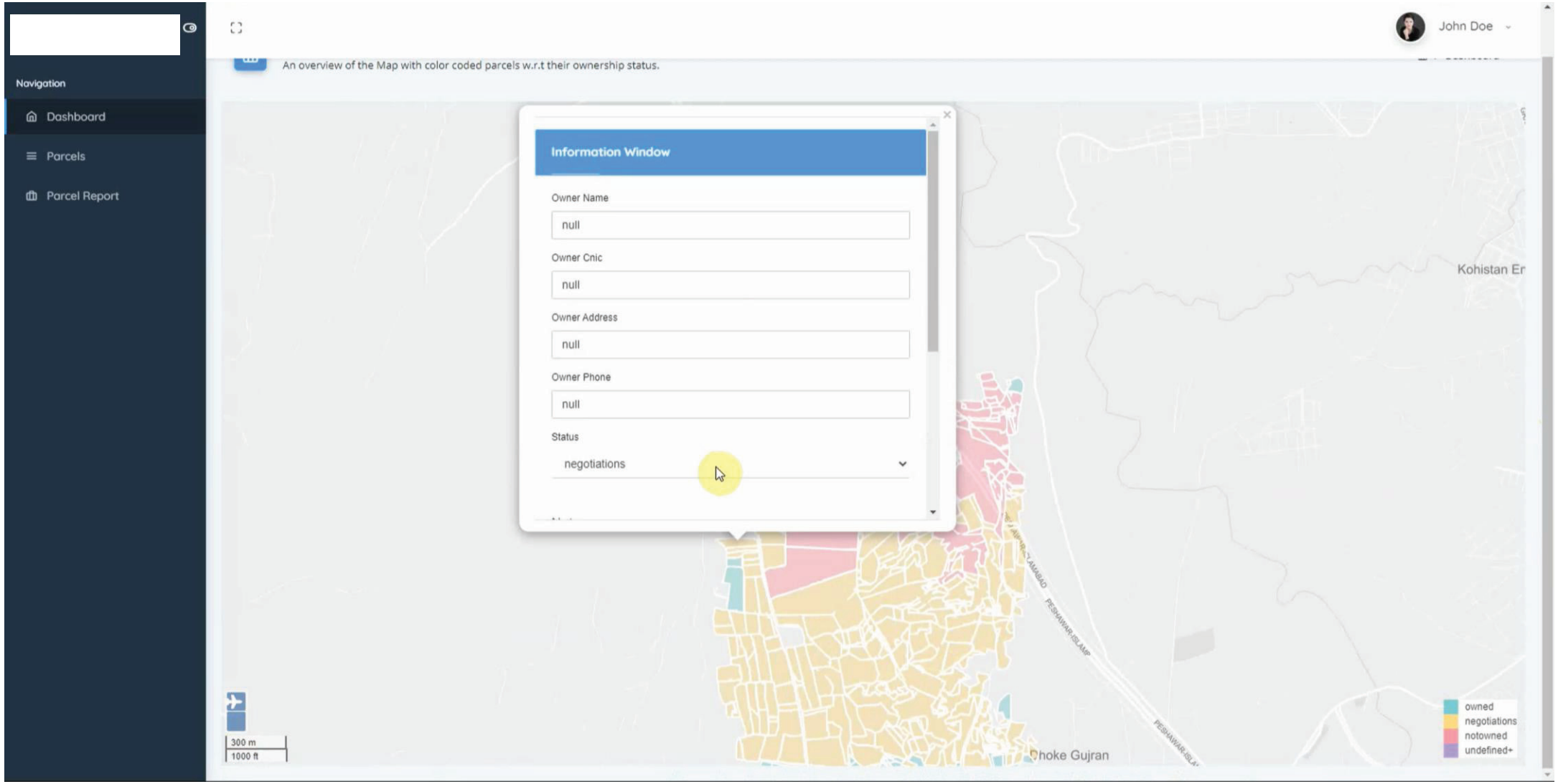
Land Parcel Ownership Status



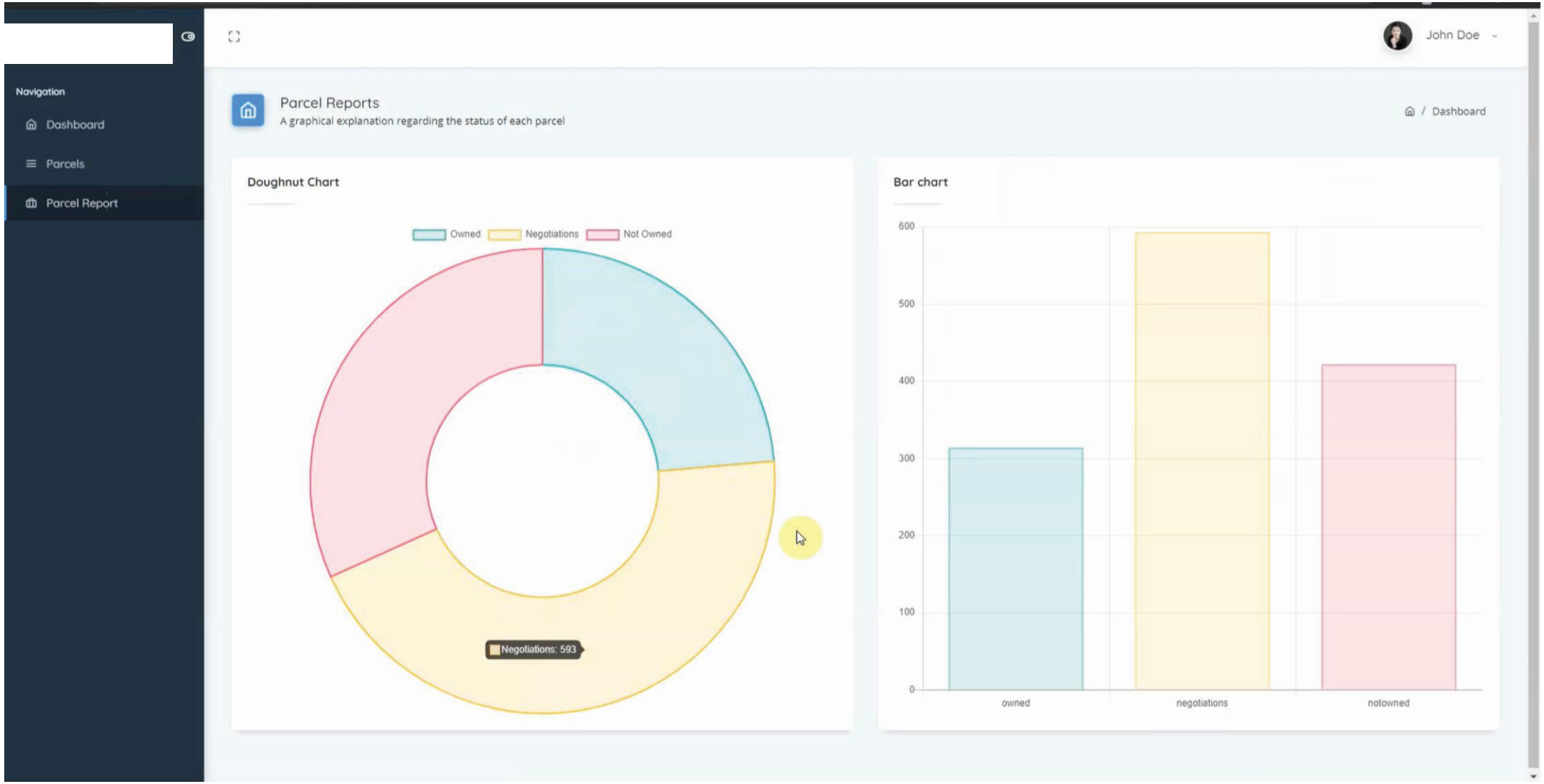
Land Ownership Status with Satellite/Drone Map



Edit Ownership Records



Land Ownership Report



Scan to BIM
Manama Souq
Bahrain

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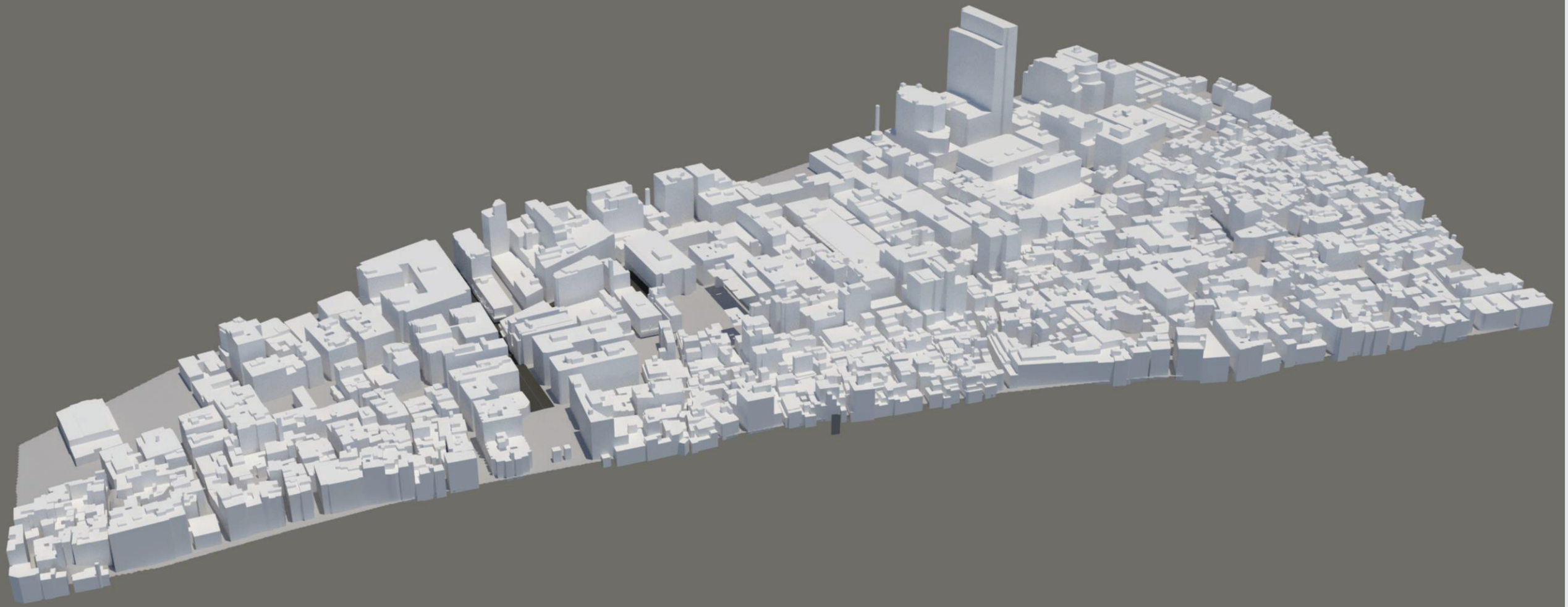

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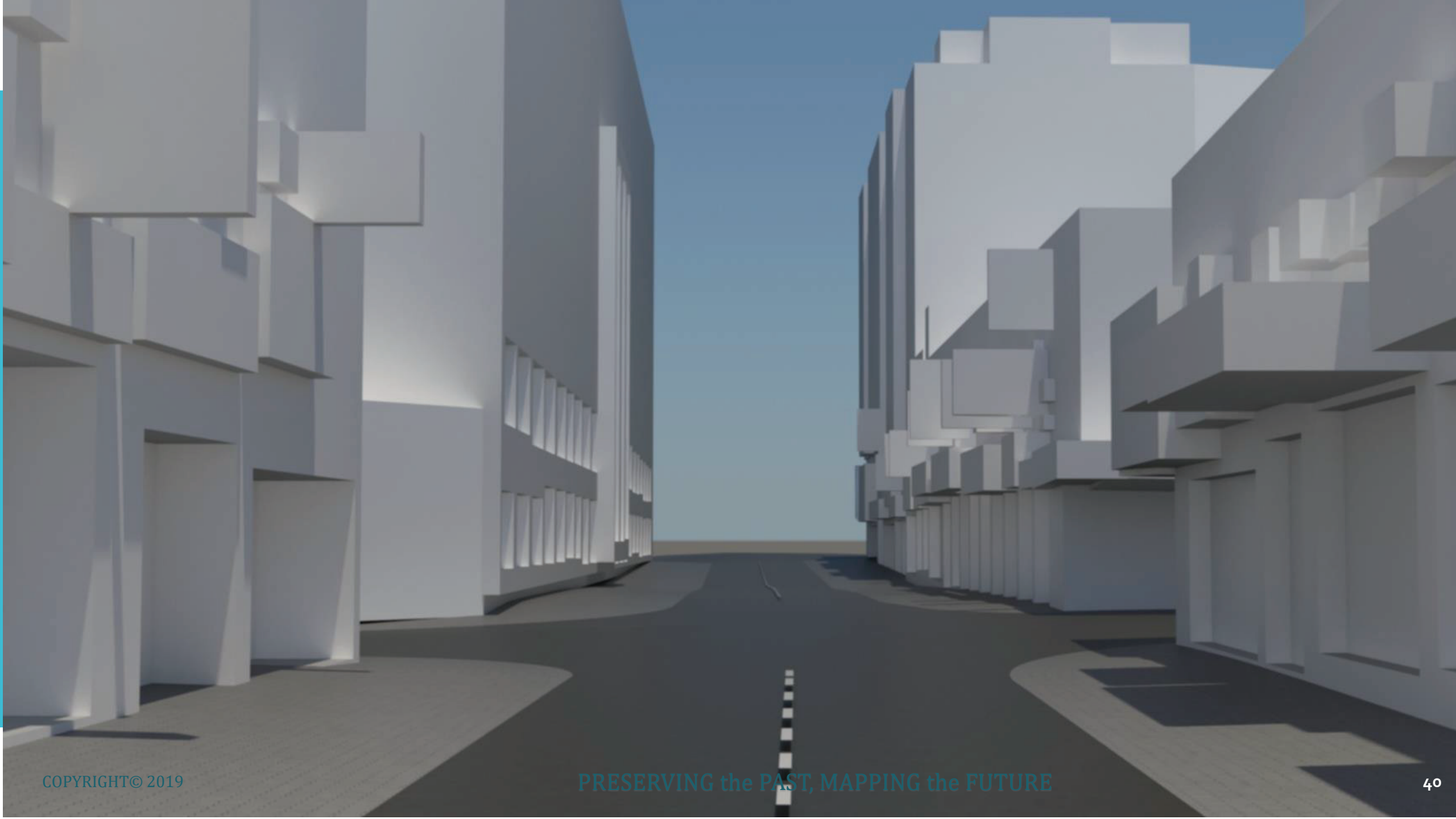

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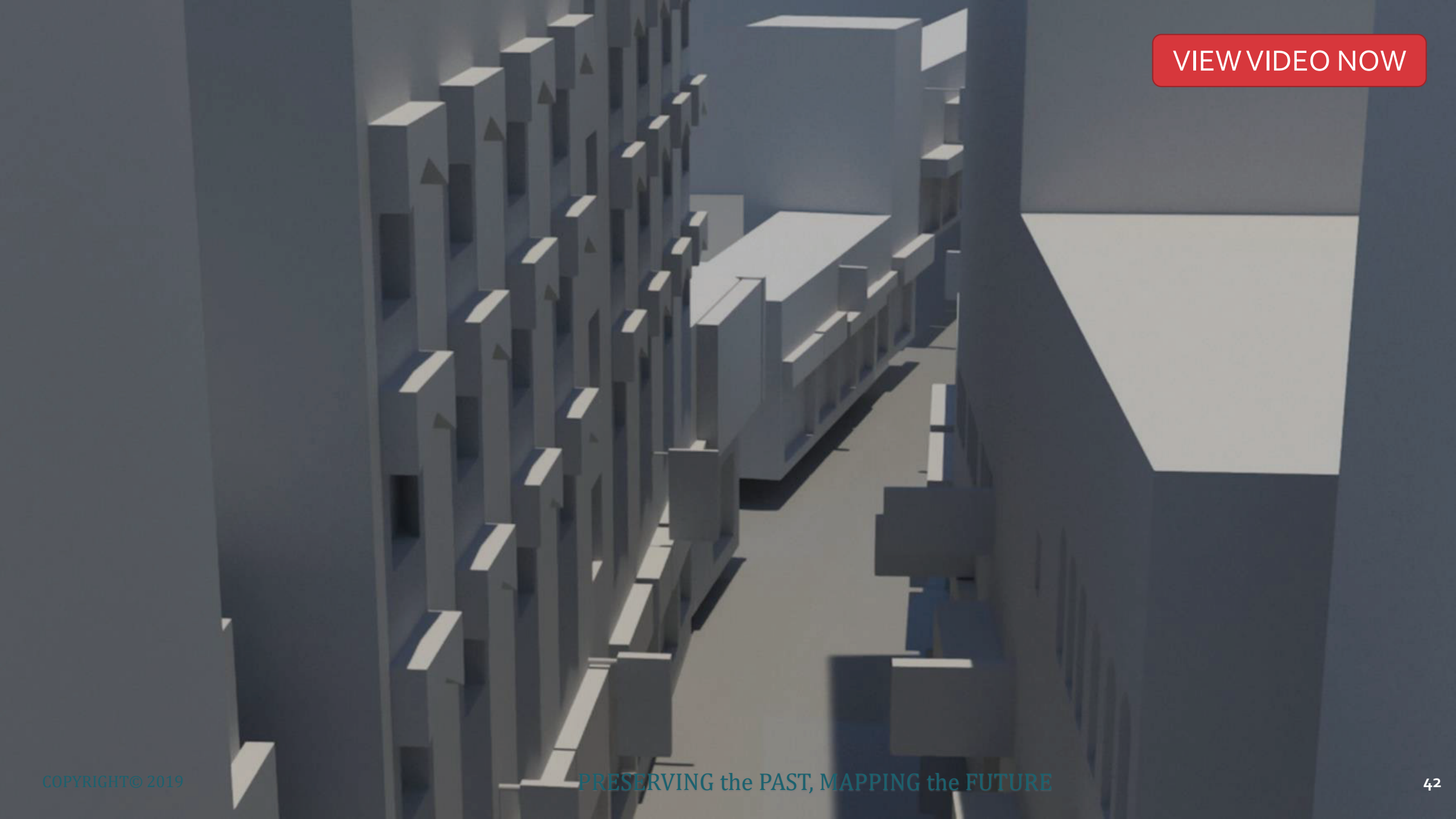

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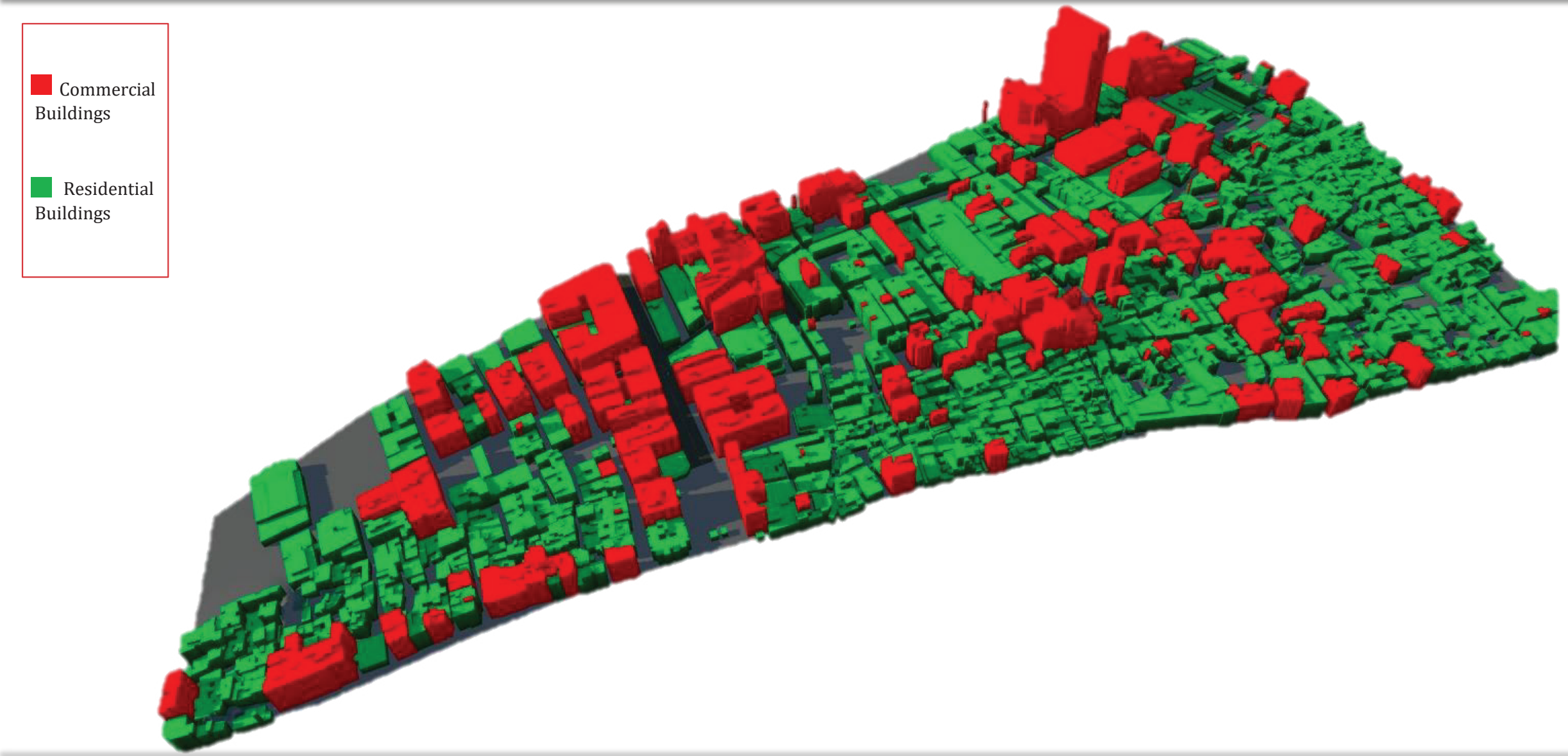
Classification - Building Type



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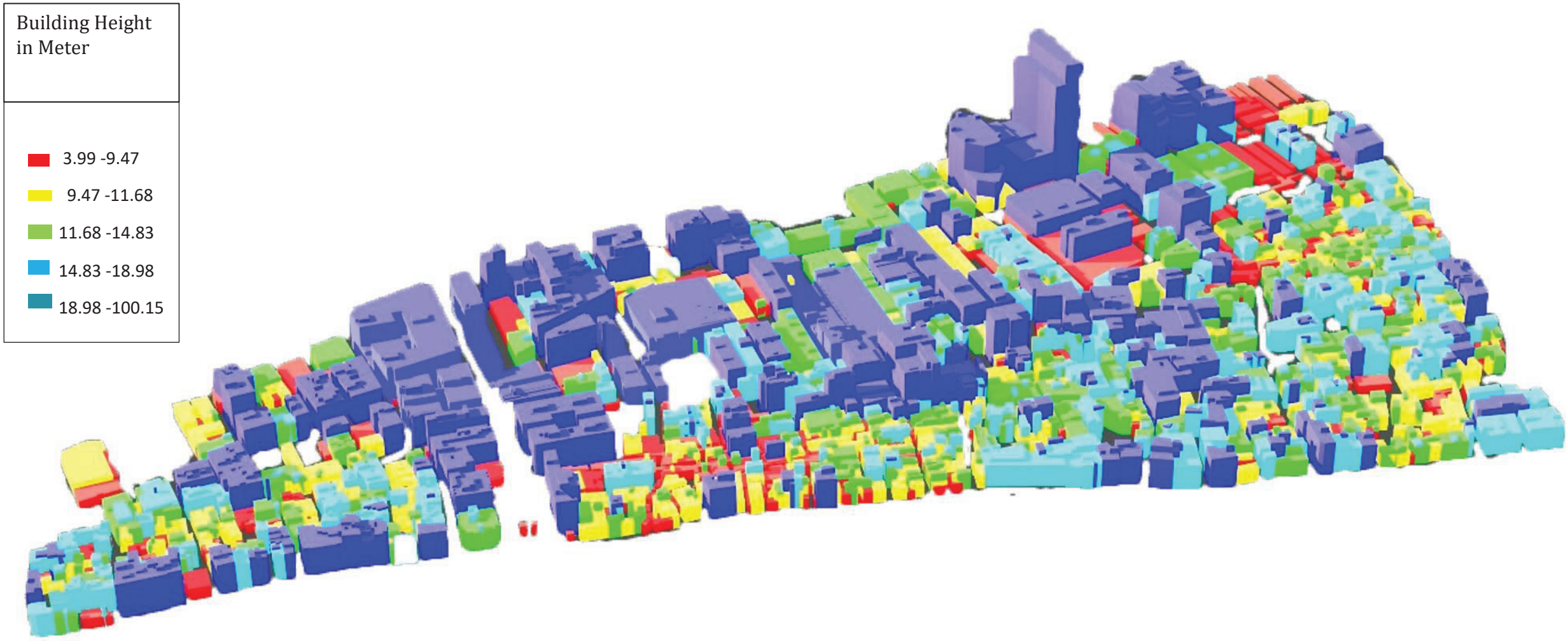
Classification – Building Height



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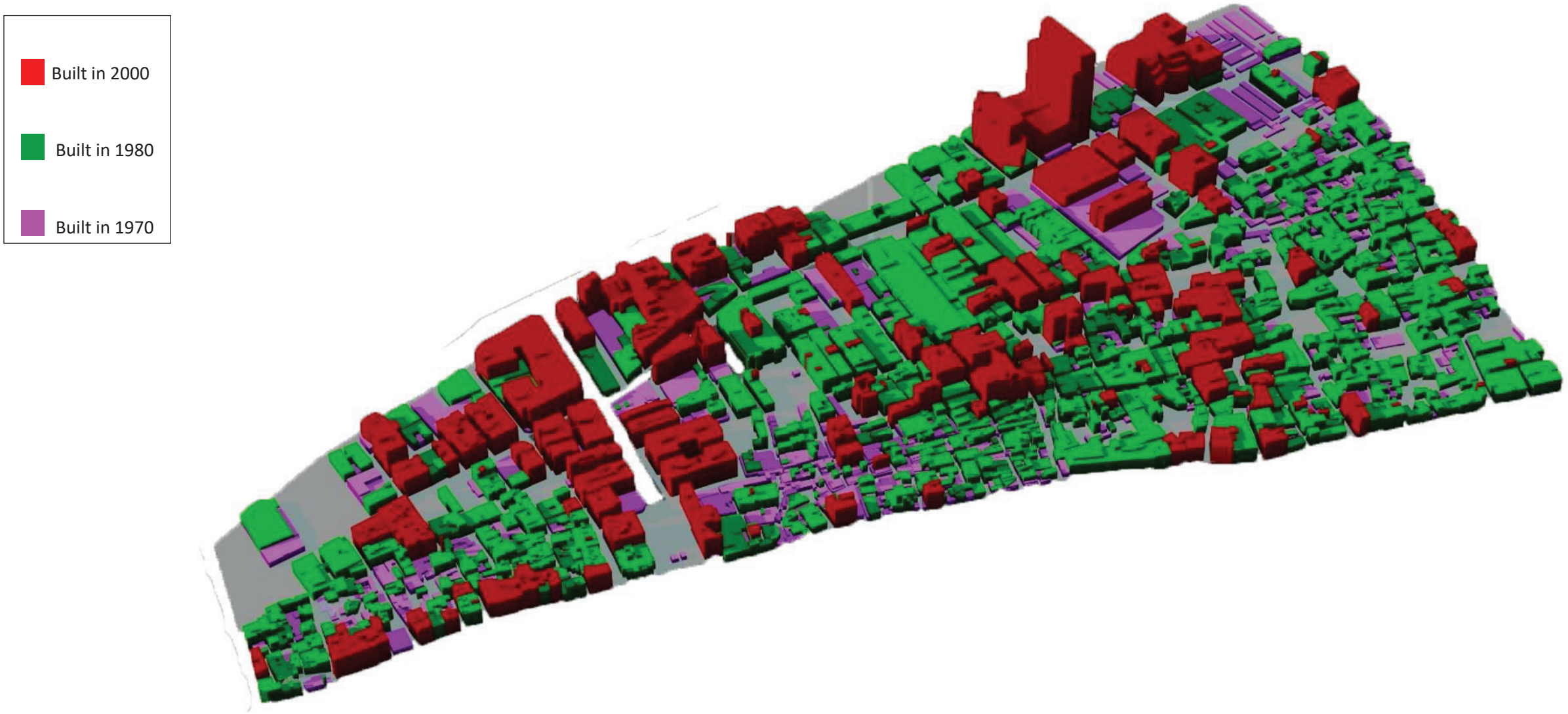
Classification – Building Built Date



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Classification of buildings based upon type

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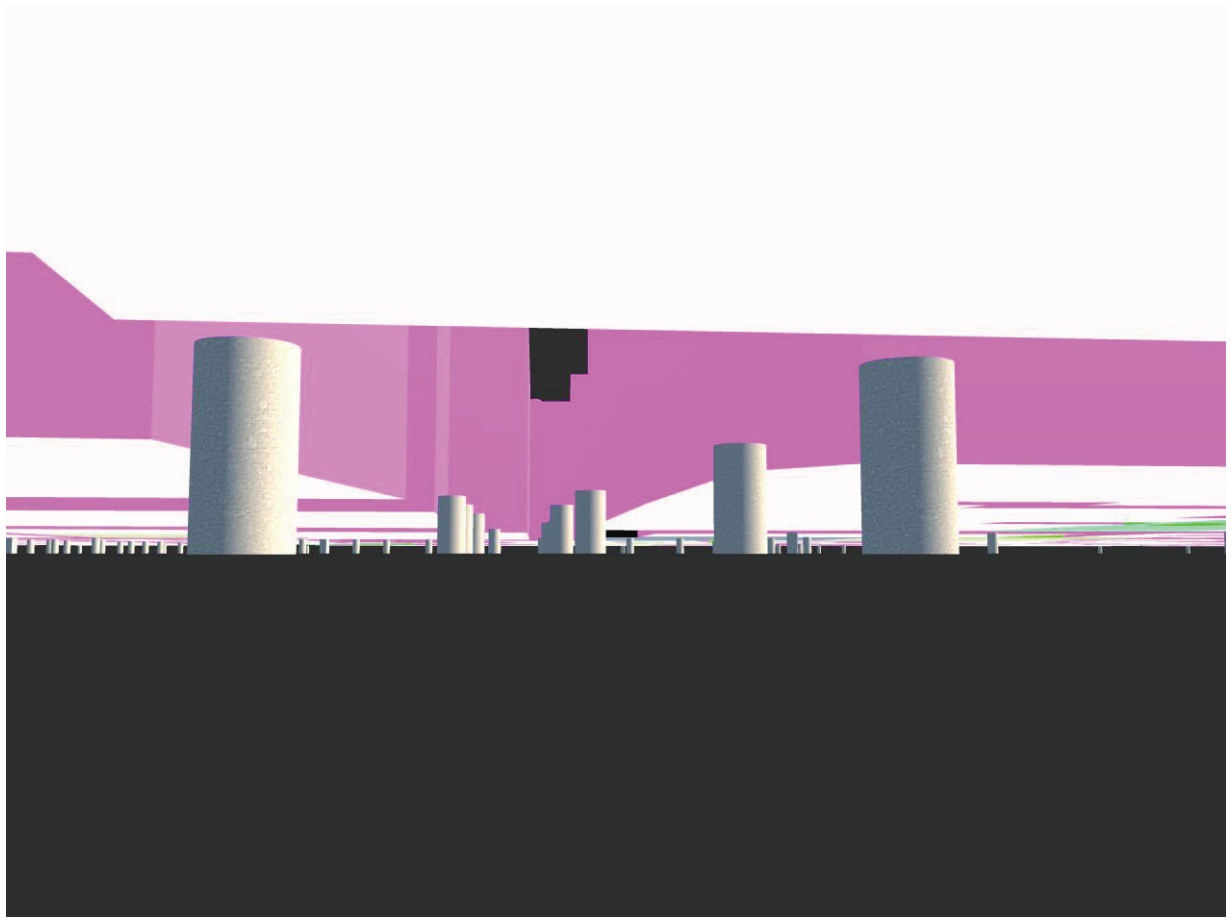
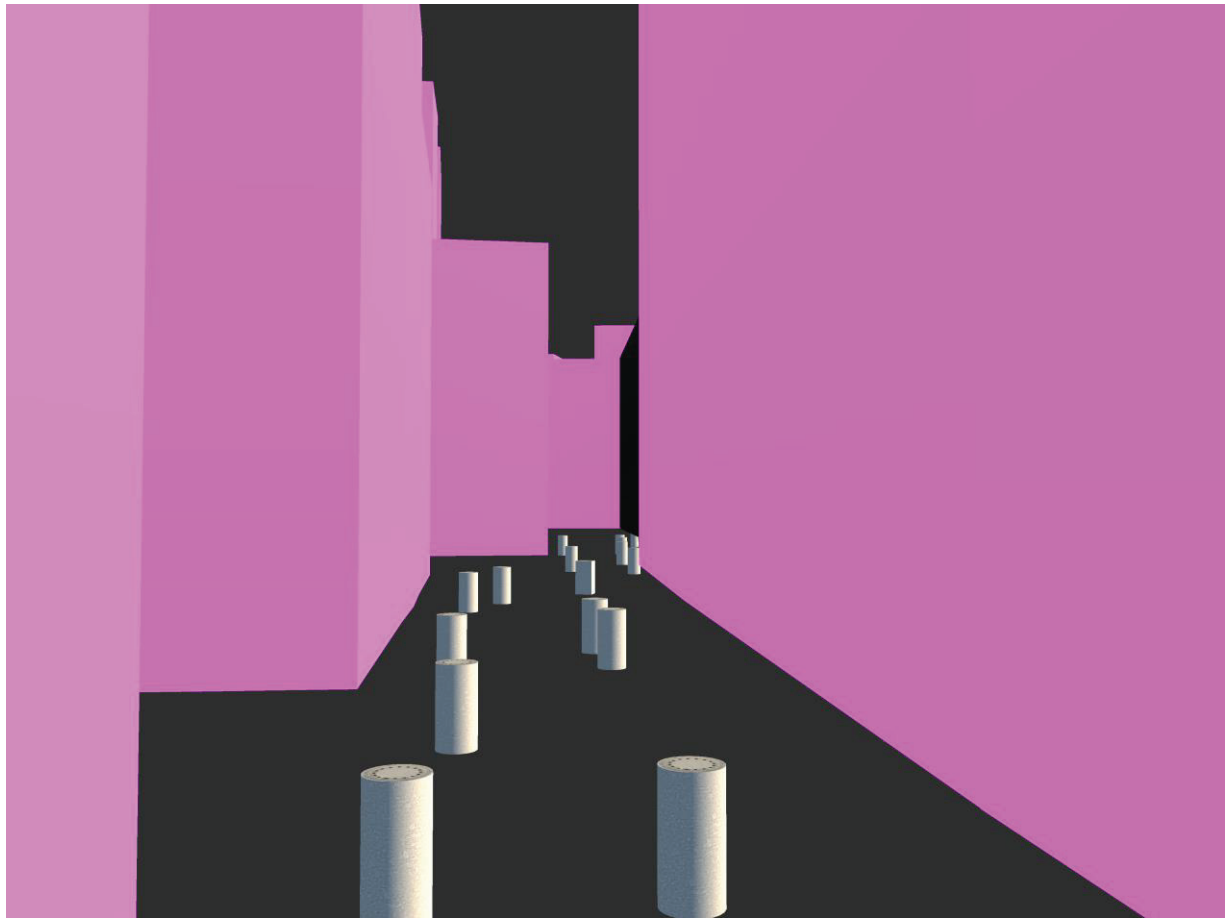
Underground manhole utilities location





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Heritage Preservation and Promotion

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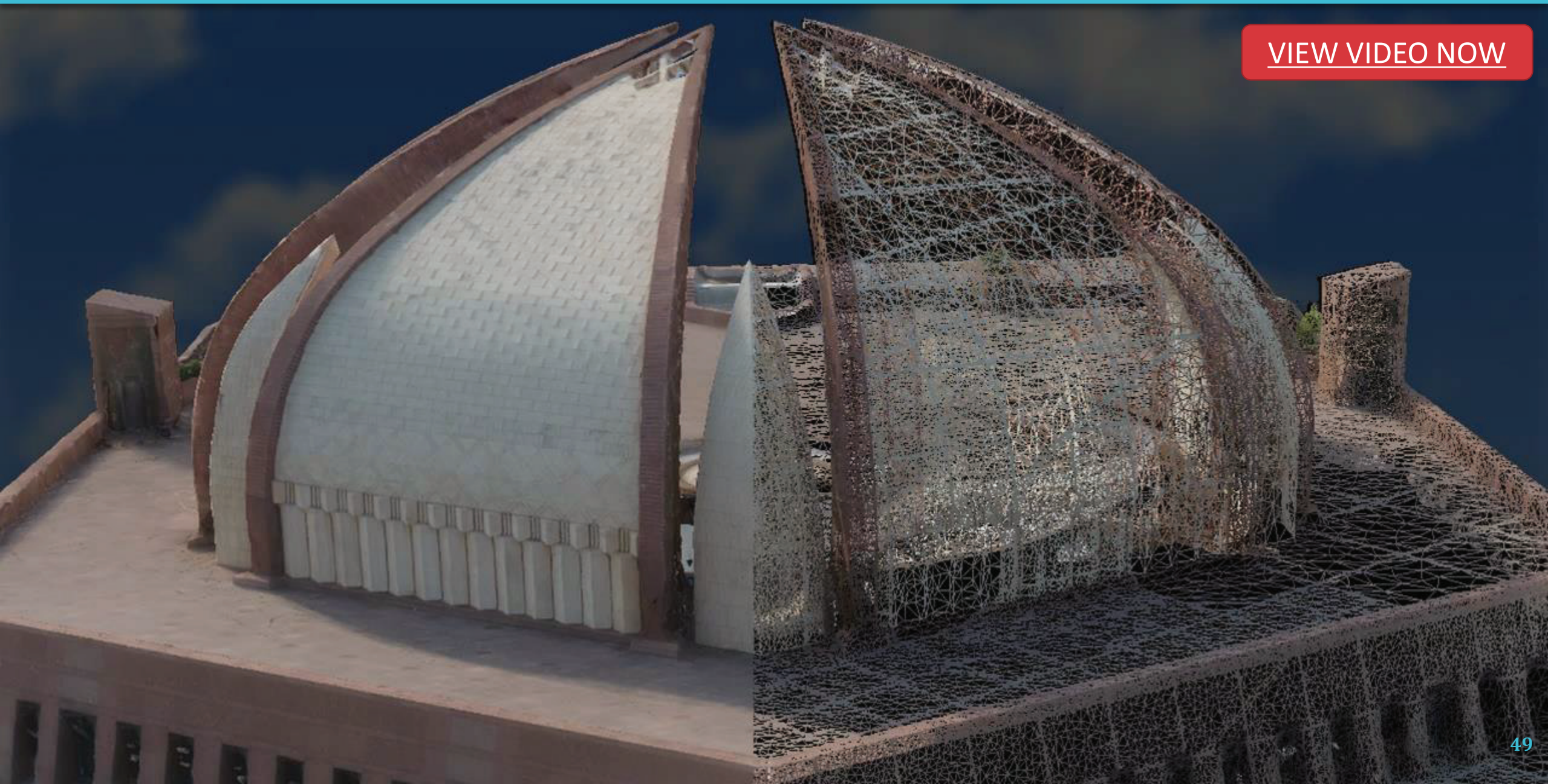
Heritage Preserved



3D Model of Isa Khan Tarkhan

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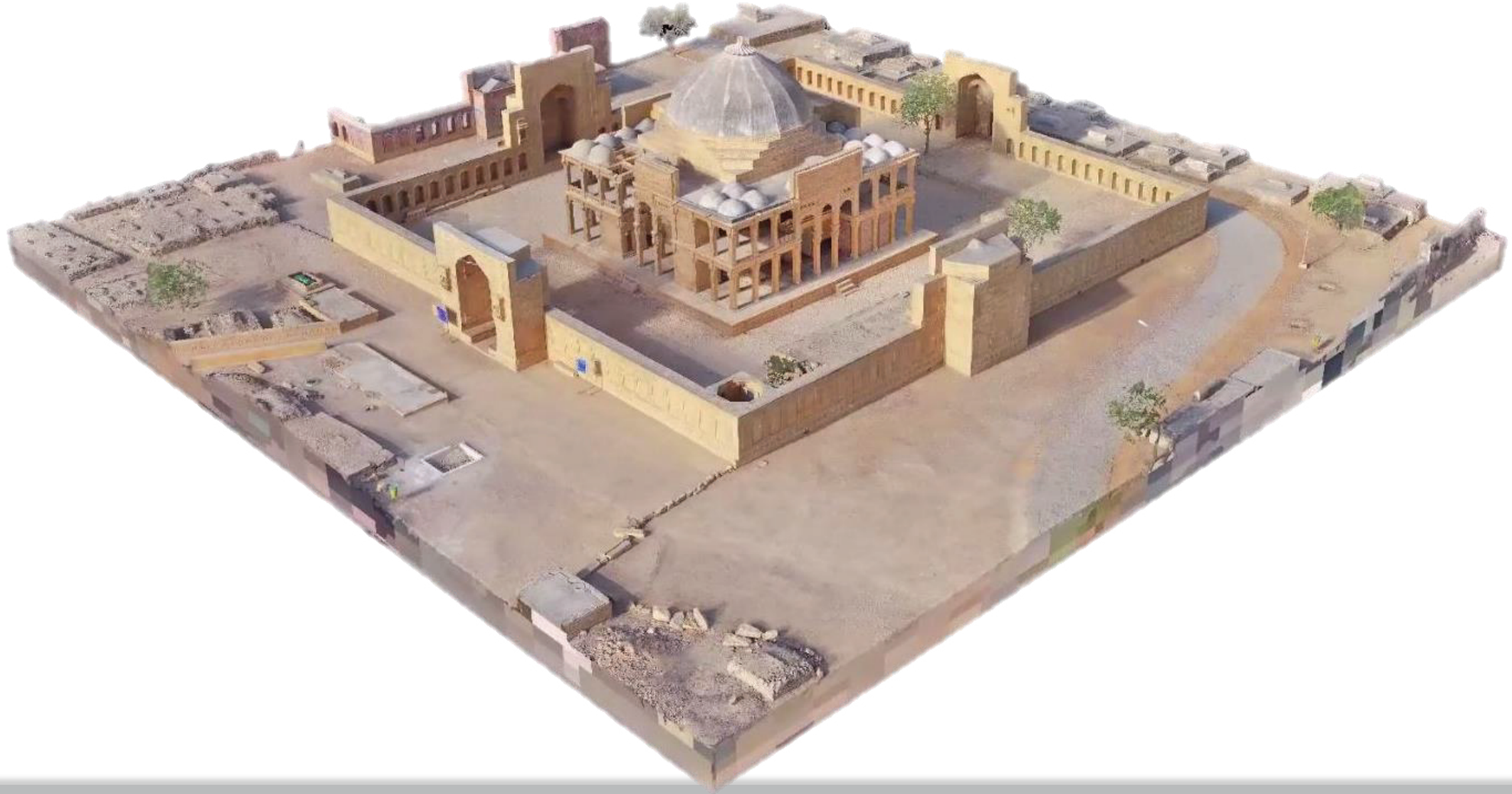

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Virtual Reality App

- Showcase all Sindh's Tourist Locations using one VR App
- Key Features
  - **Increase tourism** by allowing potential tourists to learn and get excited about Sindh's heritage
  - **Promote** new attractions
  - iOS and Android Support
  - **Powerful marketing tool**
  - Integrate on Website

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About Us

United Nations AWARD Winner

Only Pakistani company selected from 180 countries

Mapalytics

Mapalytics Pvt. Ltd. is a leader in Pakistan for providing professional land surveying services using proprietary Aerial Mapping techniques. Our mapping services include highly detailed ortho-photos with topographic analysis overlaid on the visual data. It is currently replacing the traditional methods around the globe. This disruptive technology is scalable, costs effective, automated, makes the user spend less time on the field and more time taking critical decisions using the data.

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Media Coverage

THE WALL STREET JOURNAL.
March, 2017

May,2017

MIT Technology Review PAKISTAN
Nov, 2016

el Periódico ECONOMIA
March, 2017

PCatalà
March, 2017

CÓRDOBA
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UNESCO

Jazz

Daewoo Battery

Eighteen Islamabad

NEST City

TopCity-1

Bahrain Tourism

Jubilee

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Government of Sindh

Ministry of Heritage

Pakistan Air Force

Air Universitv

NUST University

NIC, MoITT

Nestle

Kohistan Builders

PITB, Punjab Gov

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Founders

Osama Gillani

Co-founder, CEO

gillani@mapalytics.org

- 4+ years experience Digital Mapping
- UNEP Approved SCP expert
- Masters in Engineering (SEECS, NUST)
- 5 International research in energy and mapping
- Awarded Fellowships by UNEP, UNITAR, CIFAL Scotland

Abdullah Tariq

Co-founder, CTO

abdullah@mapalytics.org

- 4+ year experience 3D modelling and VR
- Machine Learning, VR and AR technology leader
- Masters in Electrical Engineering (SEECS, NUST)
- 5 International research papers in VR and 3D

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Apnelinks is aimed to provide endless investment opportunities to our valuable clientele. We have over 20 years of diverse experience in Media | Marketing | Sales | Property Management.
Being a team of real estate strategists and market experts, we ensure that either you Invest or Sell, you Win.

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