

Indigenous & Integrated GIS Platform for Counter Terrorism and Public Safety

IGIS (Integrated GIS and Image Processing Software)

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Product Development Partner





















COUNTER TERRORISM STRATEGY: GIS ROLE







Better Situational Awareness, Faster Response, Efficient Resource Utilisation & Seamless Information Sharing

GIS IMPLEMENTATION: MONITORING / SURVEILLANCE













COMMAND CONTROL CENTER

MAPPING, INTELLIGENCE, SURVEILLANCE & RECONNAISSANCE

Integrated GIS Based Solution for Mapping / Monitoring / Survilleance

GIS IMPLEMENTATION: PREPAREDNESS



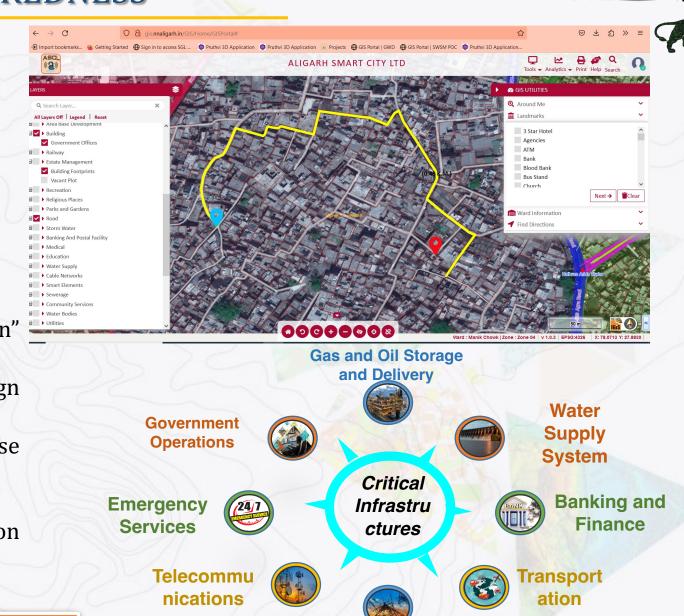
Common Operational Picture (COP):

Common Platform for Spatial & Non-Spatial Data.

- Situational Awareness
- Data Fusion
- Command and Control
- Incident Management

Risk Management & Trend Analysis

- Facility Characterization- "Peeling the Onion' Approach
- Threat Analysis "Targeting" or DBT (Design Based Threat)
- Policy & Process Analysis "Enterprise Approach/Systems"
- Crime Mapping and Analysis
- System Effectiveness (Physical Protection Systems-PPS & Surveillance)



Electrical Energy

GIS IMPLEMENTATION: RESPONSE & MITIGATION



Actionable Insights - Step 1

- Terrorist / Terror Group Surveillance
- Special Reconnaissance
- Intelligence gathering and visualization
- Contingency Planning
- Timely decision support
- Real-time management of field operations
- Accuracy of rapid response
- Development of training & combat plans
- Area assessment Terrain, layout, location etc.
- Monitoring of potential targets
- Geospatial Intelligence (GEOINT)

Step 2: Tactically Response Application



Includes:

- General Site Characteristics
- Impact Estimates
- Threat Definition
- Key Staff Contacts (24/7 Contacts)
- Site Population Statistics
- Site Security Characterization (PPS, Access
 Control, Lighting, Surveillance, Route Analysis
 Vulnerabilities)
- O Quick Reaction/Response Checklists
- Surrounding Infrastructure

The Right Information for Right People at The Right Time





IGiS Enterprise Solution For

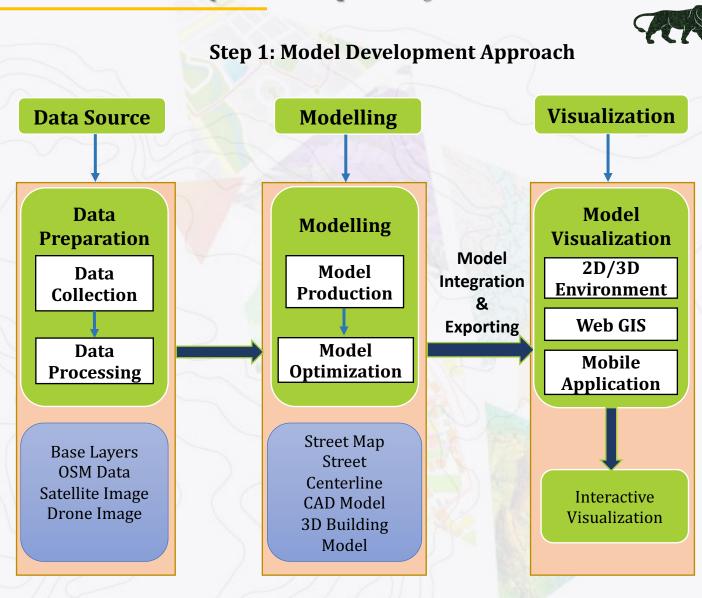
Rasthriya Raksha University & National Security Guard

Developed As a Part of Hackathon by RRU for NSG

IGIS IMPLEMENTATION CASE STUDY - NSG & RRU (Pre-Requisite)



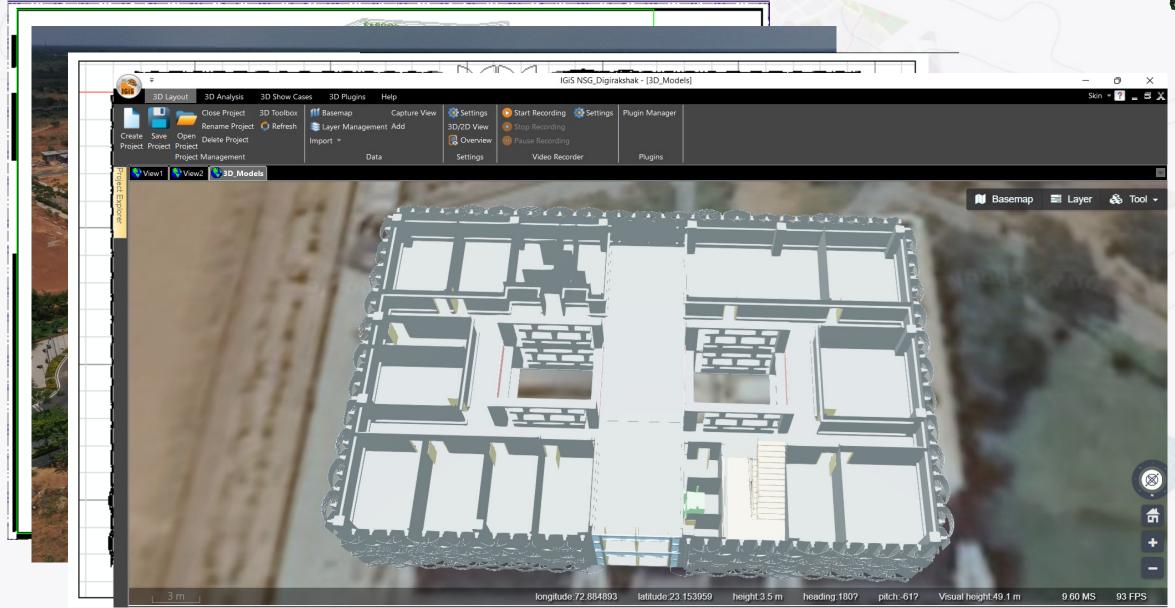
Geospatial Tools	Description
GIS	Base layers such as OSM Map, google satellite data, Street map, parcel information, street centerlines for regional mapping
Remote Sensing	Satellite imagery, Drone survey for 3D Model Generation
Floor Plan/Blue Prints	Floor plan/blue prints for CAD model preparation for indoor mapping
2D/3D GIS Platform	Model visualization and analysis
Enterprise Web GIS Platform	Dissemination of model and data Analytics output over the Web and Mobile for the communication/guidance of ground combat team with command & control centre team



IGIS IMPLEMENTATION CASE STUDY - NSG & RRU (Models)

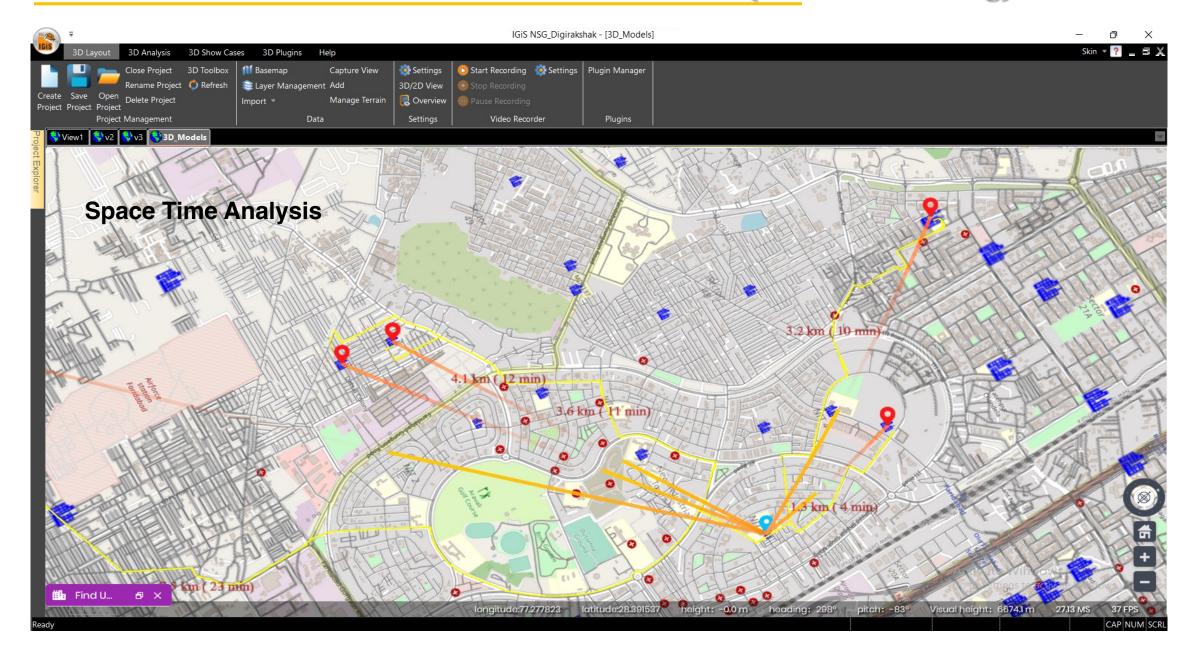






IGIS IMPLEMENTATION CASE STUDY - NSG & RRU (Tactical Planning)

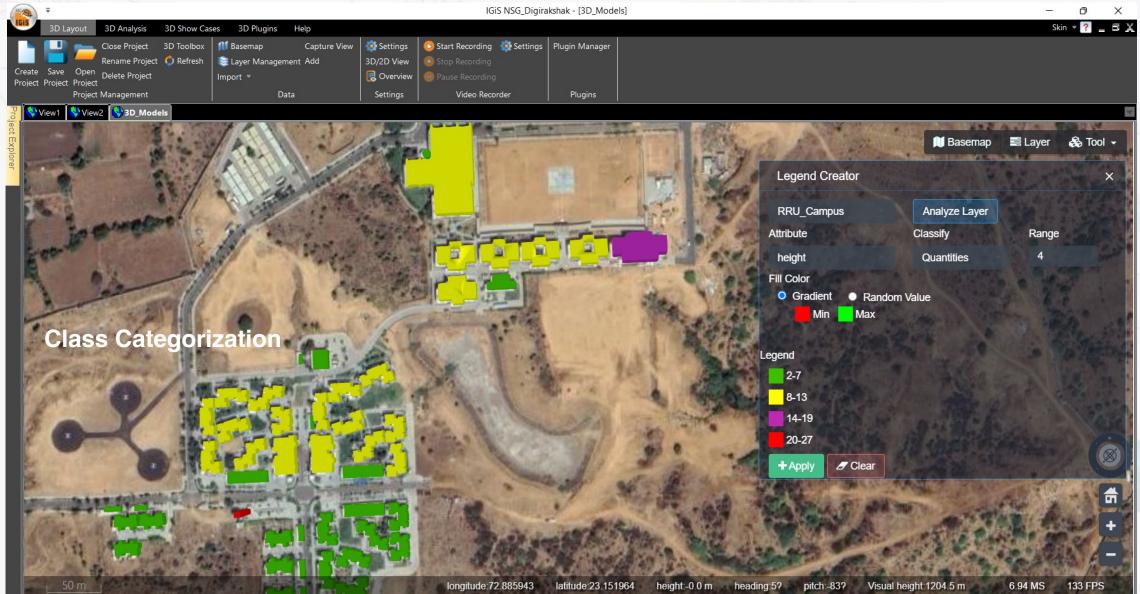




IGIS IMPLEMENTATION CASE STUDY - NSG & RRU (Tactical Planning)







IGiS IMPLEMENTATION CASE STUDY - NSG & RRU (Tactical Planning)

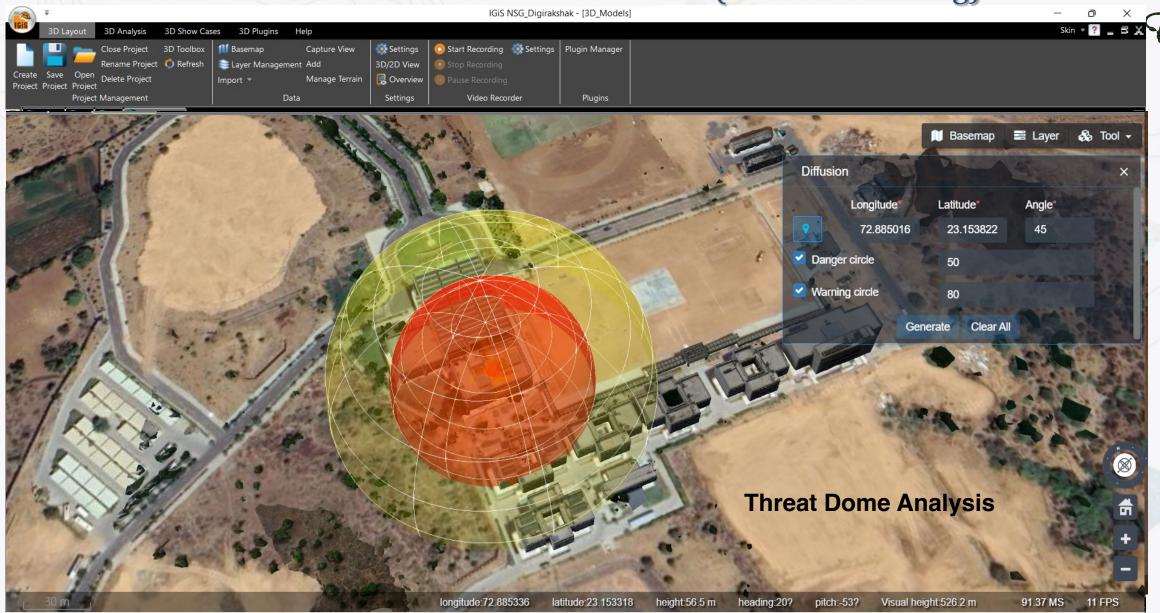




Fly Around

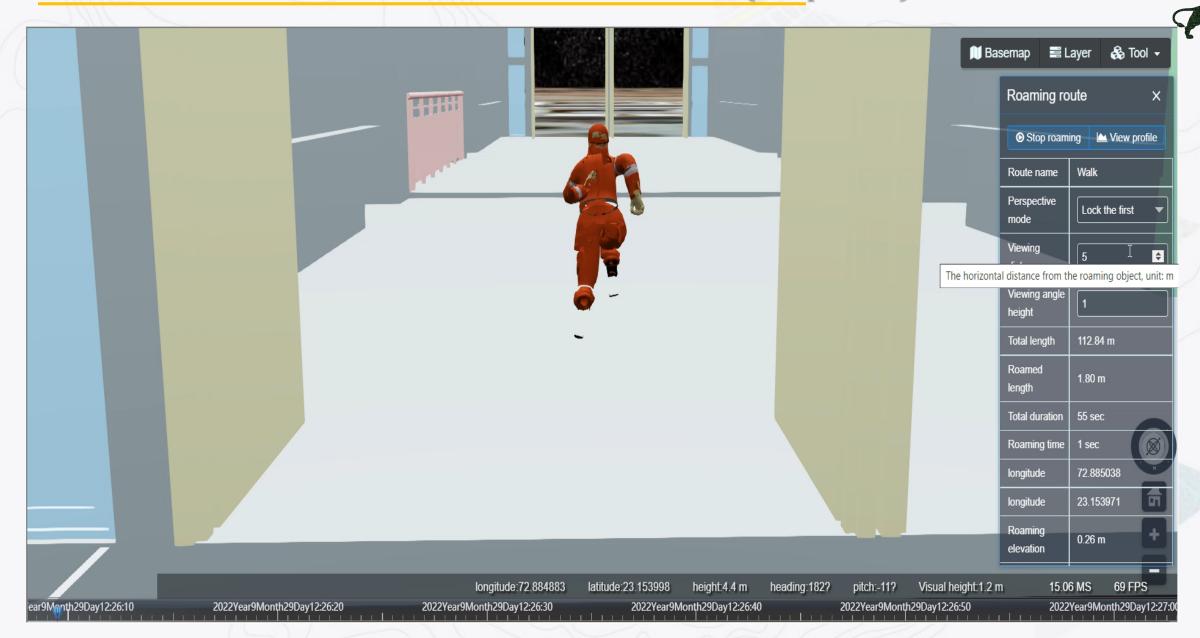
IGIS IMPLEMENTATION CASESTUDY - NSG & RRU (Tactical Planning)





IGIS IMPLEMENTATION CASESTUDY - NSG & RRU (Response)







THANK YOU



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