



# INTRODUCTION TO 3D VIRTUAL TOUR

Transforming Spaces into 3D Experiences



# About Us

Graphene Innovestments is a pioneering engineering solutions provider specializing in a wide array of services tailored to meet the needs of various industries with a focus on innovation and expertise, we deliver top-notch solutions in engineering drawings and general maintenance across electrical, HVAC, and plumbing sectors. Our commitment to excellence extends to offering specialized services uniquely designed for the pharmaceutical sector, HT Industrial Consumer sector ensuring compliance, efficiency, and safety.

## Specialized Services for Pharma Sector

- 3D Virtual Tour
- CCTV Surveillance and Networking:
- Equipment Refurbishment
- Engineering Drawings
- Maintenance

## Engineering Solutions

- Engineering Drawings
- General Maintenance
- annual rate contracts for both LT and HT
- liaison with government departments
- Maintenance



# AGENDA



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WHAT IS 3D VIRTUAL TOUR?

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# WHAT IS 3D VIRTUAL TOUR?

It is a comprehensive spatial data platform that captures, processes, and delivers 3D models and virtual experiences of physical spaces. It uses a specialized 3D camera and proprietary software to create highly accurate and interactive digital twins of any environment, from residential homes to commercial properties, construction sites, and beyond.

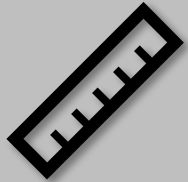


# KEY FEATURES AND BENEFITS



## Immersive 3D Experiences

The 3D models allow users to virtually walk through and explore spaces in rich detail, providing an unparalleled level of engagement and understanding.



## Precise Measurement Tools

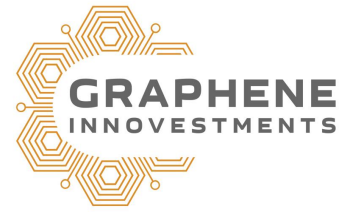
The platform's advanced measurement capabilities enable users to accurately document and analyze the physical dimensions of any environment.



## Seamless Collaboration

The cloud-based platform facilitates real-time collaboration, allowing multiple users to access and interact with 3D models simultaneously.

# PROBLEM STATEMENT



## Challenges During Regulatory Audits / Remote view of the property

- ✓ Difficulty addressing auditor queries solely through documents.
- ✓ Difficulties for auditors / Guests to adhere immediate facility set entry procedures for accessing restricted areas/ sterile areas / first view of the property in case of remote accessibility.



## Limitations of Genchi Genbutsu (Go and see yourself)

- ✓ Effective investigation tool that involves going directly to the location of non-conformance.
- ✓ Access restrictions in aseptic areas hinder its implementation.
- ✓ Remotely access the property view to have first view experience of the property / facility



## On-Job Training and Evaluation

- ✓ Key expectation of FDA regulators to ensure associates are well-prepared for critical operations.
- ✓ Training often limited to paper due to lack of access to critical areas.
- ✓ Difficulty in fully grasping and understanding systems without visualization.

# HOW WE CAN HELP YOU



## Problem 1

Regulatory Audits / Remote view



## Problem 2

Investigation in Aseptic Areas / facility



## Problem 3

On Job Training and Evaluation



# HOW WE CAN HELP YOU



## Problem 1

Regulatory Audits /  
Remote view

- Solution: 3D Virtual Tour
- Benefit: Allows auditors / guests to view specific areas remotely from their desktop or conference room.
- Facilitates the guests / auditors to have an first view experience of the facility without physically being present there.



## Problem 2

Investigation in  
Aseptic Areas

- Solution: 360 Degree Digital Twin
- Benefit: Enables the investigation team to examine and understand potential issues without entering restricted areas.
- Features: Provides intricate and immersive details, including actual depth, accurate measurements, spatial data, and zoom capabilities.



## Problem 3

On-Job Training and  
Evaluation

- Solution: Matterport Digital Twin integrated with VR Tools
- Benefit: Offers new employees a complete immersive experience, simulating working with critical machines and performing complex tasks.
- Result: Effective training without needing to access critical areas, ensuring better preparation and understanding.



# THE INTERFACE



*Industry -*

<https://matterport.com/discover/space/L7WFsfvzPcA>

*Pharmaceutical -*

[New England Client: Cell Therapy & Pharmaceutical Cleanroom - Virtual Tour \(matterport.com\)](https://matterport.com/discover/space/L7WFsfvzPcA)

*Resort -*

<https://matterport.com/discover/space/1Ejm8AMr5E7>



## Added Benefits

- ✓ Planning and risk assessment for capacity expansion and other modifications becomes much more easier.
- ✓ Helps is maintenance planning for critical and high risk jobs.
- ✓ Accurate measurements and layouts as required.
- ✓ Enhanced audit experience and technology savvy image.

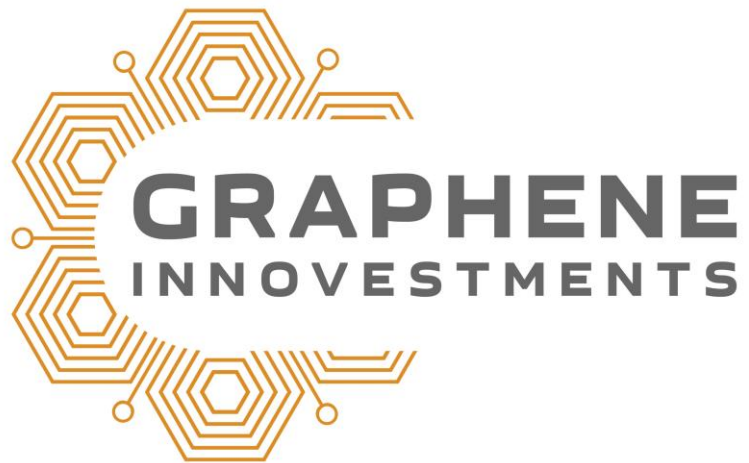
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**THANK YOU**

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