

CLOVE
TECHNOLOGIES

AEC FORUM
GEOSPATIAL + BIM + DIGITAL TWIN

Accelerating[™]
Digital Engineering

Accelerating digital transformation for **AEC** industry
with **Geospatial** & **BIM** Services & **Digital Twins**



Started career as a Design Engineer at a small design firm in 1999, rose his designation to Production Manager along with the company's positioning in respective market in next 5 years while gaining a great deal of experience in implementing processes, building & managing teams. Graduated from Bangalore University with a bachelor's degree in Mechanical Engineering, he is always keen on engineering and management processes.

Founded Clove Technologies in 2004 and has been an eminent factor in conceptualizing and implementing many innovative methodologies and acclaimed processes. From its humble small beginnings, Clove is now a global sizeable Geo-BIM-Tech Organization and India's fastest growing Digital Twin prop-Tech firm.

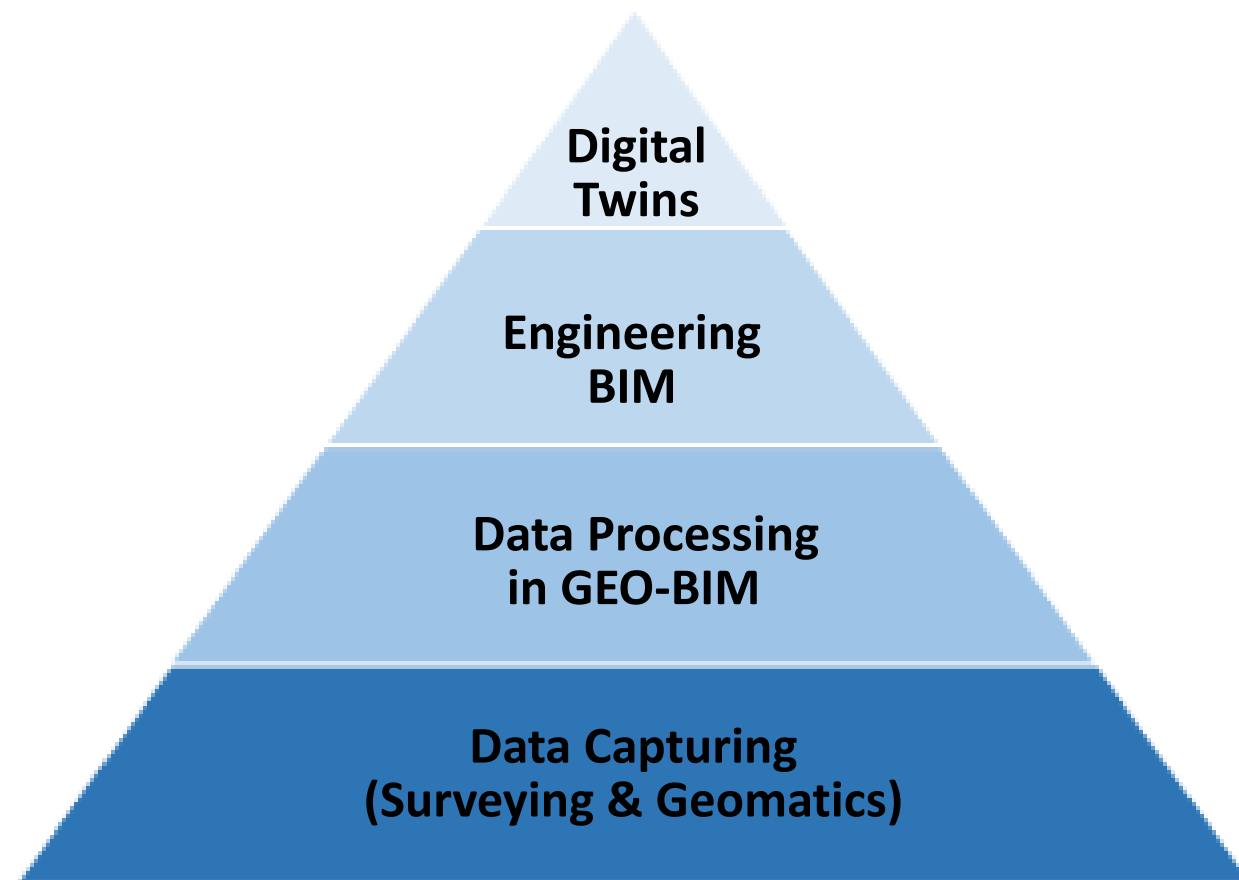


K.K.V.N. RAJU

Founder and Managing Director

Clove Technologies (P) Ltd.

For BUILT ENVIRONMENT



GEO



Deep domain expertise in the AEC industry, combining two decades of Geo-BIM services experience with proprietary tools



Key Geographies served:



UK & Ireland



EMEA



Americas



Australia



Trusted partner to global clients:

21+ Years of Experience	60+ Active Global Clients	3500+ Projects Executed
13 + Countries (clients)	500+ Team size	300+ Automation tools

BIM



Started Investing in Digital Twin platform from 2017/18



Built a scalable stable interactive, Realtime 3D visualisation DIGITAL TWIN platform that can integrate with BIM ,any IOT & Operational data.



Key Geographies served:



INDIA

190+ Real Estate Owners / Builders as customers	200+ Mill Sq ft Buildings Twinified
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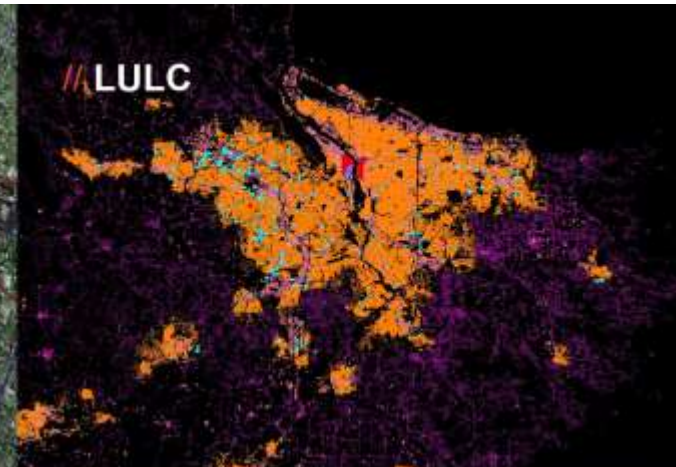
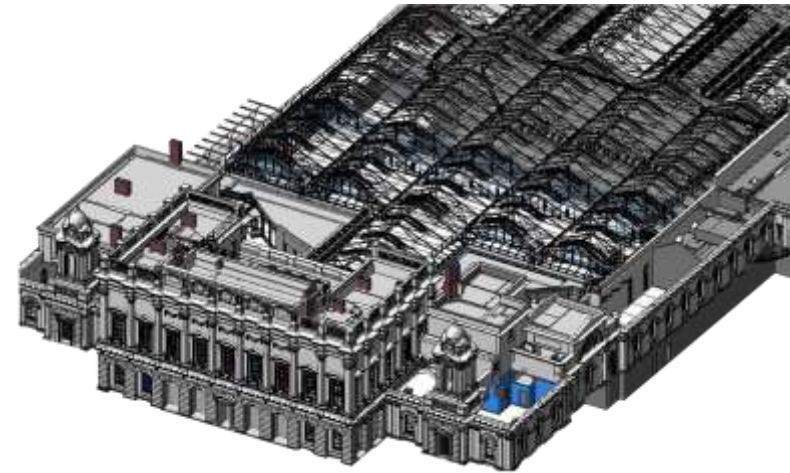
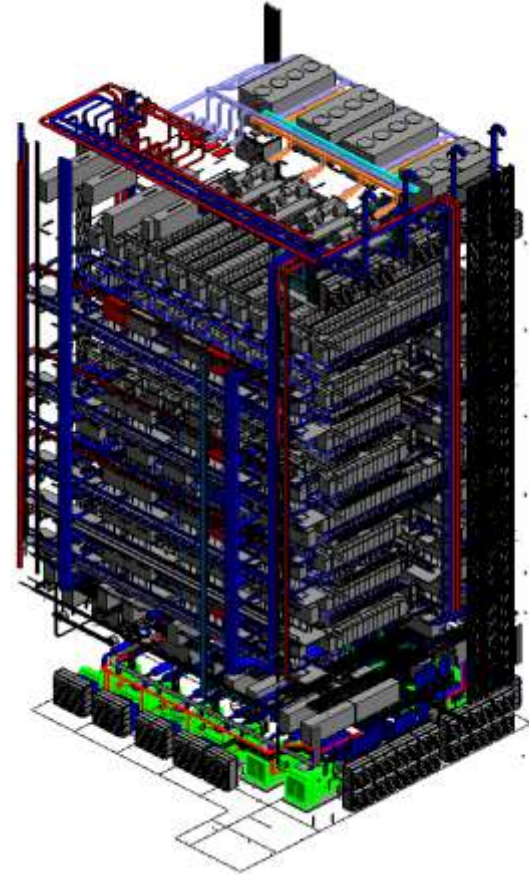
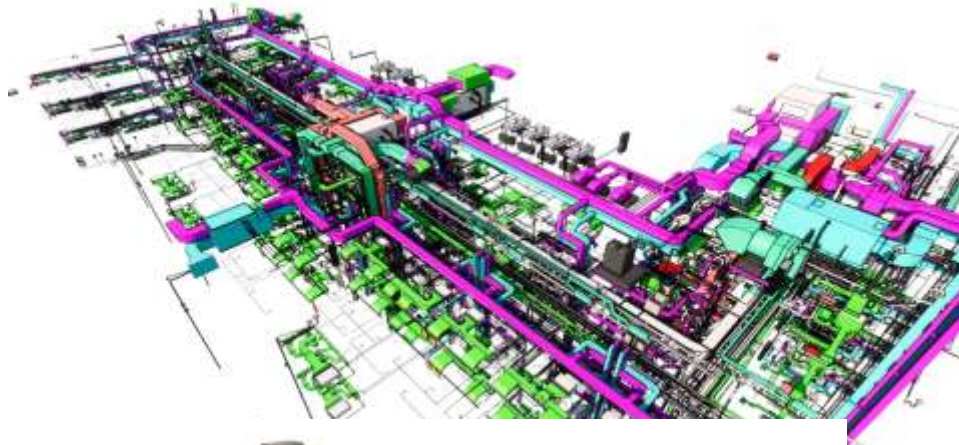
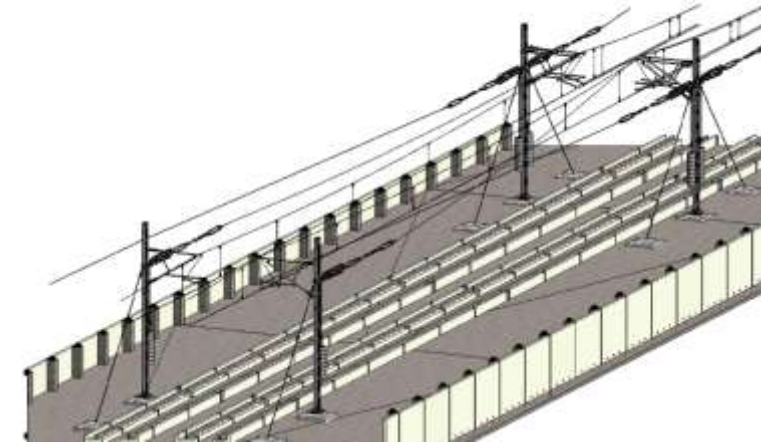
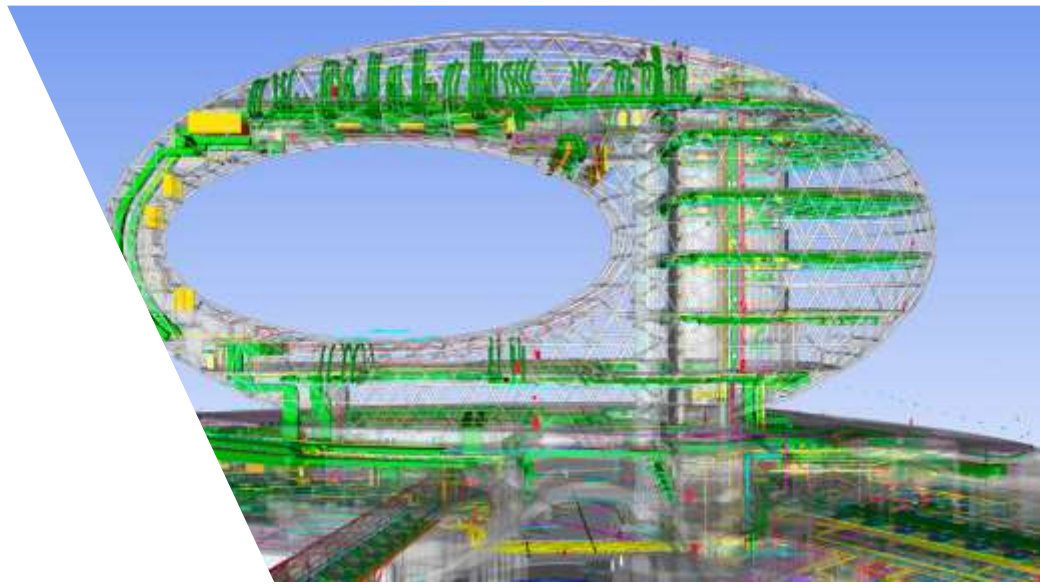


TECH

GEO

BIM

TECH



CLOVE Build (Digital Twin Solutions)

Digital Twin Platform

SHOW

Click for Demo

- Interactive 3D Storyboarding of Project.
- USP's being visually displayed.
- Location highlights with realistic terrain mapping.
- Amenities tour with 360 surroundings.
- Configurator to allow slice view of unit sizes and facings.
- Dynamic balcony views with simulated day/night environments.
- Intelligent capture of customer journey for target marketing.
- Integration with any CRM.
- Inbuilt Standard CRM module.

SITE

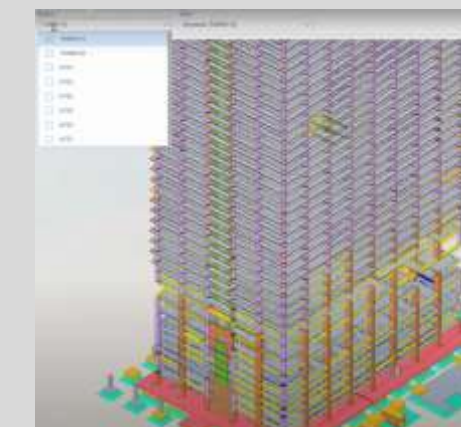
Click for Demo

- 3D | 4D | 5D complaint Modelling
- Cloud based BIM application
- LOD 300 to 450 model detailing
- Clash Detection reports
- 2D Sheet Extractions from BIM
- BOQs extraction
- SCAN to BIM Validation.
- Scheduling & Monitoring
- Material Usage Validation
- Document Management

SPACE

Click for Demo

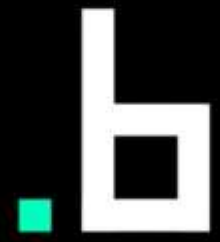
- Asset Management & Optimization
- Interactive 3D model-based Facility Management
- Vendor management
- Energy Consumption monitoring
- Preventive Maintenance Alerts
- Maintenance of Resources
- Asset Life cycle Management

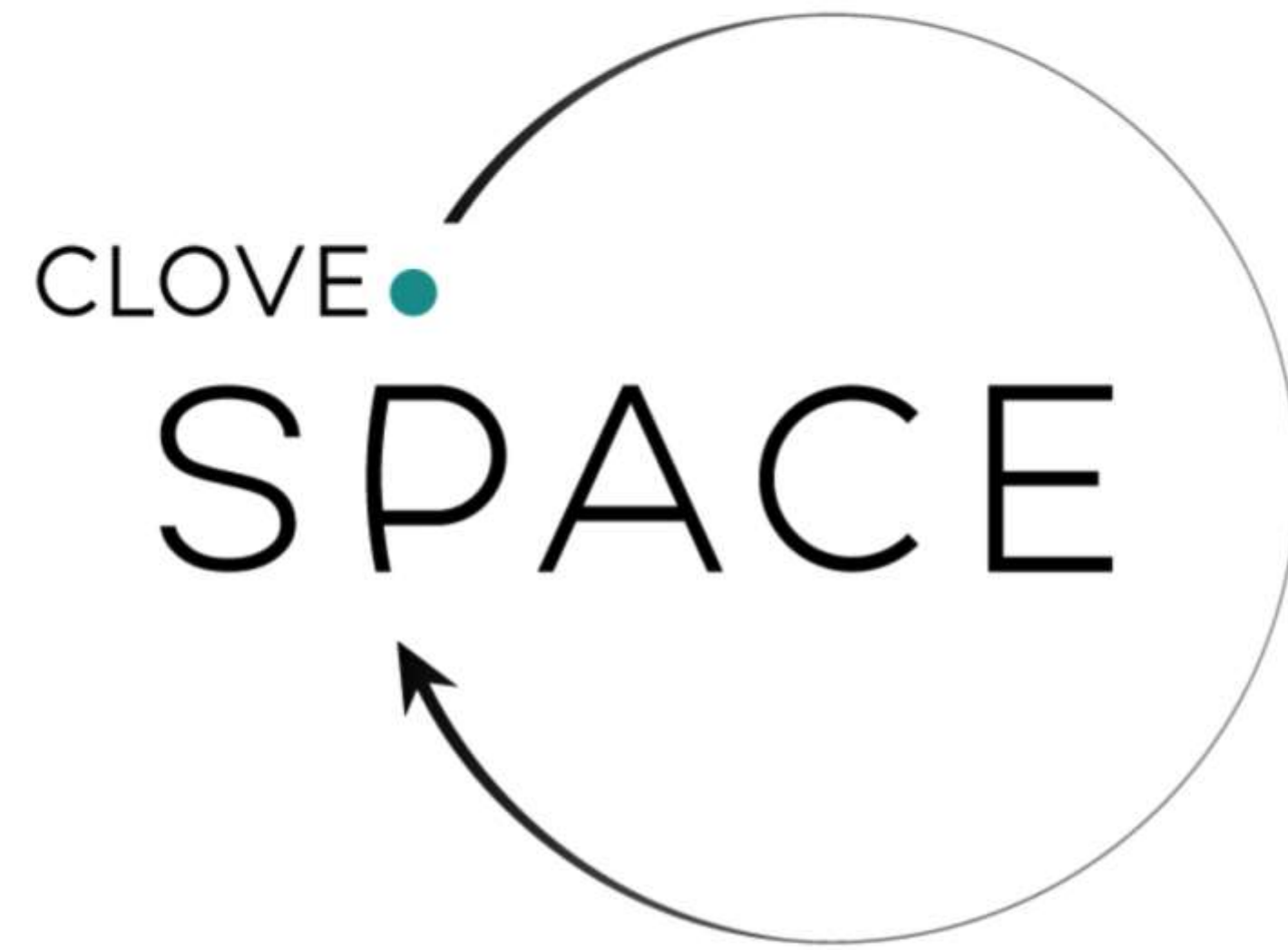


Use cases : DT across all the phases of built environment

Implementing DT platform across AEC/O industry







DIGITAL TWIN FOR FACILITY MANAGEMENT



OVERVIEW

LEGISLATURE

HIGHCOURT

SECRETARIAT

ENTRANCE

HAPPY NEST



ENABLING CONNECTED INFRASTRUCTURE

T H A N K Y O U

GEOSPATIAL + BIM + **DIGITAL TWIN**

