



BUILDING
BETTER
TOGETHER



consulting engineers



for the built environment



OPERATING CULTURE

Sustain growth with all-round value creation.



Training-oriented:

Tool for consistent, cohesive and cost controlled project delivery.



Technology-driven:

Deliver for today; and maintain front-runner position, with efforts to suit.



Expertise-led:

Nurture relationships for harmonic expansion & thought leadership.



EXPERIENCE HIGHLIGHTS

Nearing 2 decades of operations in India.

330+ million sq.ft.

800+ projects

25+ million sq.ft.
tendered last year

60+ cities

120+ engineers

6+ countries

**"A JV SINCE INCEPTION, WITH A 50+ YEAR OLD
PRACTICE - CLANCY CONSULTING, UK."**

Framework for Sustainability & Smart Assets:



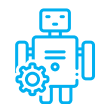
Energy and
Atmosphere / IEQ



Sustainable Sites



Water Efficiency



Passive Controls



Nourishment



Regional Priority/
Transportation



Light



Signage / Focal
Points



Movement



Break-through
Technologies



Integrative Design



Human
Engagement



Sound



Networked Screens



Materials &
Resources



Feedback Loops



Mind



Active Analysis



Community



Innovative Design

BUILDING FOR THE FUTURE

Mottos of growth for scope of delivery.



Building Services [MEP] Design

Deliver integrated efficiencies, like the nervous system of a body.



Digital Twin [Beyond BIM]

Speed-of-modelling & agile adaptations for manufacturing style operations.

Resource Development

Grow infrastructure for Integrated Building Engineering incl design, construction, labour development & facility management.



BUILDING SERVICES [MEP] DESIGN

Integrated Expertise = Enhanced Performance.



It's the nervous system of built environments;
synchronised for human comfort and convenience.

Integrated Building Engineering, leads to lower man
hours, optimised capex, faster delivery and roots to
cohesive asset / facility management.



Heating, Ventilation, Air-conditioning [HVAC]

Electrical [High-side / Low-side / Renewables]

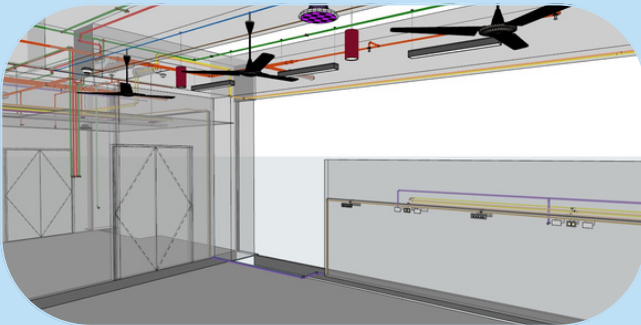
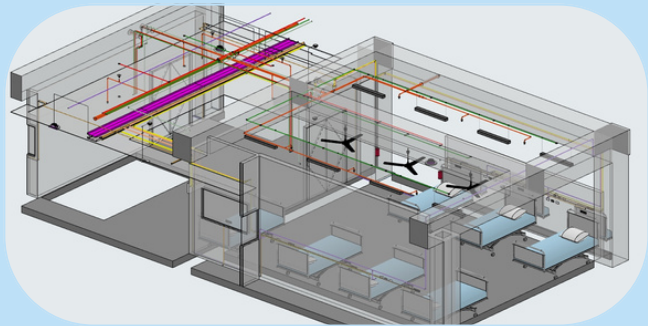
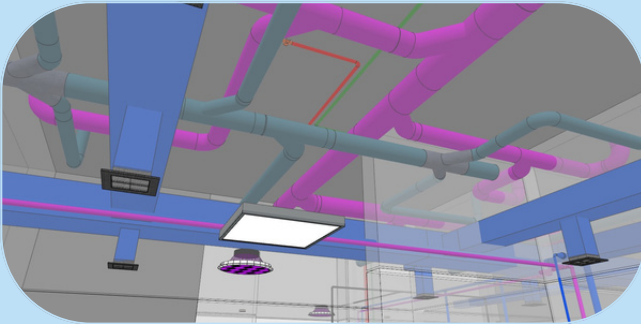
Plumbing [Water / Sewer / Storm / Waste]

Firefighting [as per relevant guidelines]

Extra Low Voltage [IT / PA / A/V / CCTV / IBMS]

Integrate Other Networks [Gas / Pools etc.]

Certifications under LEED / WELL & other ratings systems



DIGITAL TWIN [BEYOND BIM]

Design Development + Delivery Intelligence



Get-it-right, over-n-over again... project-after-project... Effectively fastrack adoption of BIM.

Digital Twins take the platform BIM provides, to simulate multiple data points for design, construction and asset operations.



BIM-enabled Construction Management is provided for End-use Projects e.g. Healthcare / Education / Factories

- 2D** GFC drawings issued from 3D model
- 3D** Integrated model inc. Bill of Quantity [BOQ]
- 4D** Project gantt with time & labour projections
- 5D** Cashflow inc. Bill of Materials [BOM] / Billing

@ 5D a robust Digital Twin is available for:

6D Lifecycle Analysis & **7D** Asset / Facility Management

STAKEHOLDER RESPONSIVE

aligned benefits = efficient project



Architect / Designers

Master Builder / Creator

Save time, effort and scheme to enhance creation.

- Coordination from schematic
- Maximise clear ceiling height
- Blend services into design
- Sustainable & smart provisions
- Develop integrated BIM model

Promoter / Financier

The Business, Brain & Brawn

Seamlessly integrate with appointed stakeholders.

- Save capex & time
- Meet opex strategy
- BIM enabled progress
- Transparency in billing
- Ease of asset upkeep

Projects Team

Bridges to Design & Progress

Sharpen nodes of action to track and implement.

- Sound project documentation
- Contractor onboarding & visits
- Methods & commissioning
- Ease reporting & mitigations

Main / Sub-Contractors

Labour Orchestrators

Provide easy-to-report nodes & intelligence for actions.

- Material-level tracking
- Sub-contractor / productivity
- Synced documents & progress

Facility / Asset Teams

Guardian Angels

Set framework for ease-of-management & activations.

- As-built Assets & Systems
- Processes, Controls & IoT Data
- Feedback & improvement



ASSET-CLASS RESPONSIVE

thought leadership + focused teams

Established track record & delivered volumes.

Developers [Residential / Base-build IT / Retail]

Healthcare [Hospitals / Medical Institutes]

Fit-outs [Corporate / Retail / Luxury Homes]



Robust operations for growth & excellence.

Education [Schools / Tertiary Institutes]

Processing Units [R&D / Manufacturing]

Structured Funds [BIM-triggered transparency]

Other assets delivered: Hotels, Sports & Leisure, Data Centres, Warehousing Parks & Infrastructure Projects.



A few Designers we have active projects with:





OUR DIFFERENTIATORS

Measures for consistency & quality.

S tructured procurement & cost optimisation

T ask, time, quality & invoice management

A sset-class responsive excellence

R obust training - Integrated Building Engineering

B est-in-class BIM inc. 4D / 5D, upto 6D / 7D

E asy-to-adapt upgrades & communication

A ssembly-line like delivery with 3-layer check

R eport based accountability

S takeholder responsive soft skills



Digital Twin is being globally recognised as an all-encompassing framework for efficiencies.

Additionally, a library and experience centre is being setup for technologies to consider with a SWOT assessment, use cases and more...

* Statistics from McKinsey, FMI, Fundamental & UN

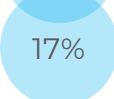
TECHNOLOGY PREFACE

Operations in the construction sector are archaic and marred with inefficiencies:

Cost:



31% projects completed within budget



17% higher capex is incurred due to bad data

Timeline:



25% projects completed within deadline



-55% invested in tech. compared to other industries

Resources:



80% value delivered by subcontractors - labour centric



-23% productivity, ref. to 1990 v/s mfg. @ 2-3% y.o.y.

Existing buildings:



40% direct global energy-use and GHG emissions



70% indirect global energy-use and GHG emissions

Board of Directors

Working Directors

inc. CEO / COO / Regional

10 nodes inc. Engineering & Project Reviews, Digital Twin, Unified Data, HR, Marketing & BD, Proposals Procurement, Financials and Goals.

10 nodes

MIS Team

Project Leads

inc. Regional

Remote Monitoring

Training and R&D

Asset-Class Leads

Task Managers

Audit Teams

Delivery Teams*

Floor Managers

Corrections Teams

ORGANISATION STRUCTURE

We love engineering and have an assembly-line like setup; for delivering an integrated scope.

MEP Design*

Scheme Design

Detailed Design

GFC Drawings

Tender / BOQ

Site Inspections

Digital Twin [BIM]*

3D Modelling

Unified Data

GFC Drawings

BOQ / BOMs

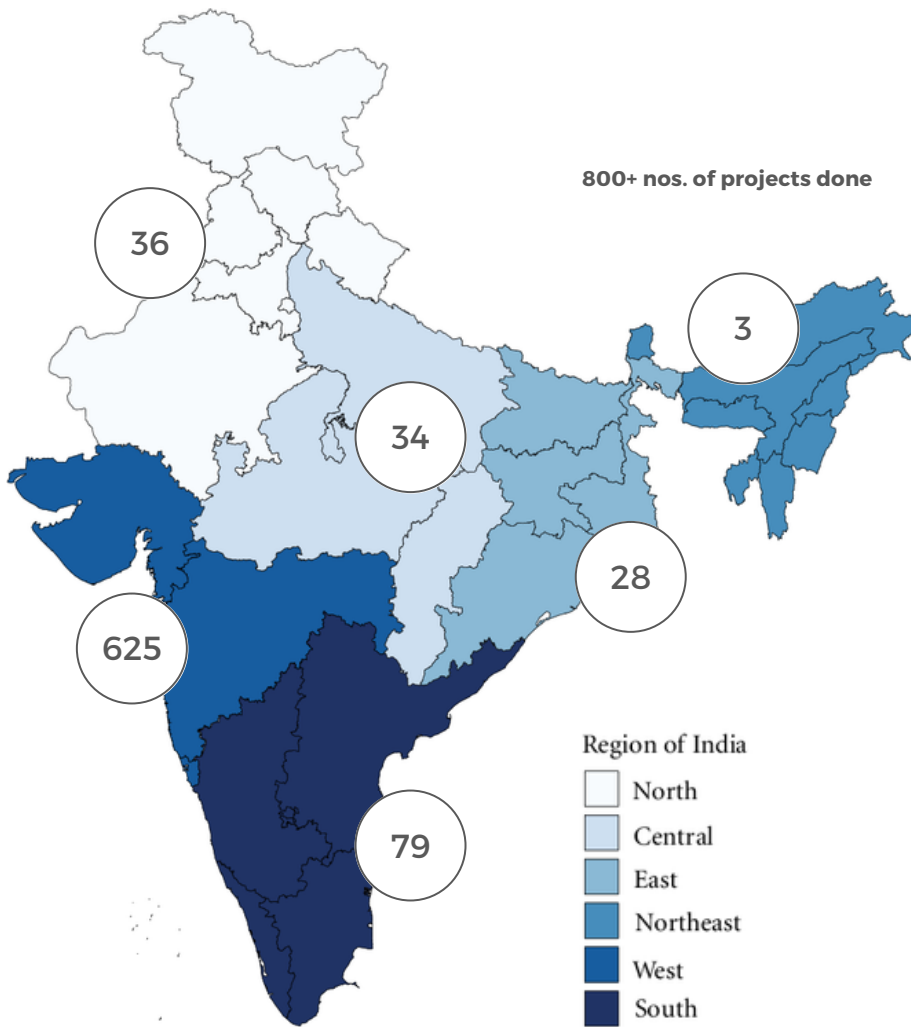
4D / 5D Scheduling

On-site Deployment:

for BIM-enabled Construction Management for end - use projects incl. QA/QC

for MEP services - QA/QC inc. on-site guidance

"The pursuit of Integrated Building Engineering is engrained from top-to-bottom."



*"Rooted to delivering projects in India...
The world is our oyster, with Digital Twins..."*

PROJECT LOCATIONS IN INDIA

NORTH

Amritsar

Delhi

Jaipur

Jammu

Kankapur

Patna

Punjab

Rajasthan

Varanasi

Zirakpur

EAST

Bhubaneswar

Jamshedpur

Kolkata

Orissa

Ranchi

West Bengal

NORTH EAST

Arunachal

Pradesh

Guwahati

Sikkim

SOUTH

Andhra Pradesh

Bengaluru

Chennai

Cochin

Coimbatore

Hyderabad

Kakinada

Karnataka

Kerala

Mysore

Salem

Tamil Nadu

Visage

WEST

Ahmedabad

Ahmadnagar

Alibaug

Ambivali

Amravati

Aurangabad

Baroda

BhuJ

Boisar

Goa

Gujarat

Jalna

Karjat

Kolhapur

Maharashtra

Mumbai

Nagpur

Nashik

Navi Mumbai

Pimpri

Pune

Rajkot

Surat

Talegaon

Thane

Virar

Wada

CENTRAL

Agra

Allahabad

Bhopal

Chhattisgarh

Ghaziabad

Haryana

Indore

Jabalpur

Kanpur

Lucknow

Noida

Raipur

Uttar Pradesh

Mumbai HQ:

Mulund (W), Mumbai - 400 080.

Delhi / NCR:

Sector 49, Gurgaon - 122 018.

Bengaluru:

HAL Old Airport Road, Bengaluru - 560008

Pune:

Laxmi Road, Pune - 411030.

Operational Hubs:

Hyderabad

Chennai

Navsari

Ludhiana

Sawantwadi

Bhubaneswar

* Representative of projects office

* Representative of delivery office

Clancy Consulting, UK

Manchester

London

Liverpool

Birmingham

Leeds

Newcastle

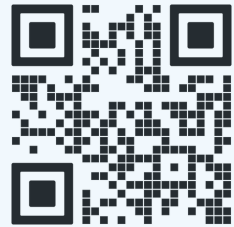
Glasgow

Norwich

Prestwick

Reading

LinkedIn



Profile

