INNOWELL ENGINEERING INTERNATIONAL PVT LTD

• BENGALURU

CHENNAL

SIVAKASI HYDERABAD

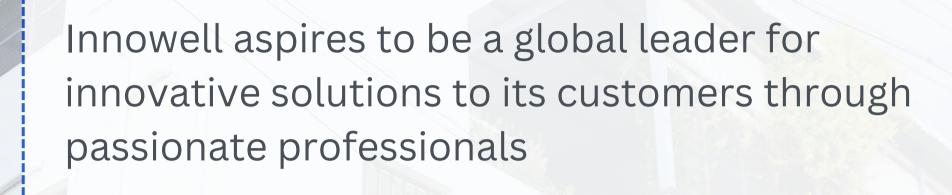
DHAKA



An ISO 9001: 2015, 14001:2015, 27001:2022, and 50001:2018 Certified Company

Industrial Projects Capability

Inspired by Commitment. Powered by Passion.



OUR VISION

Core Values:

Integrity | Customer Excellence | People | Learning | Innovative

MISSION









Develop

Empower

Care

Serve

Nurture young talents

Empower talents with innovative process and standards

Provide Challenging and joyful working Environment

Continuously explore client's needs and serve better



Innowell received LEED Proven Provider recognition from GBCI for continuously delivering excellent and efficient Sustainable Design Practices





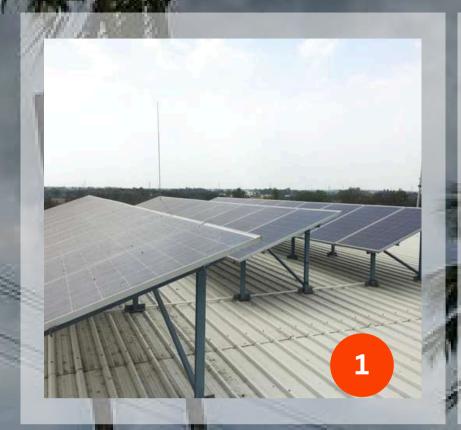




Our Ever Green village office

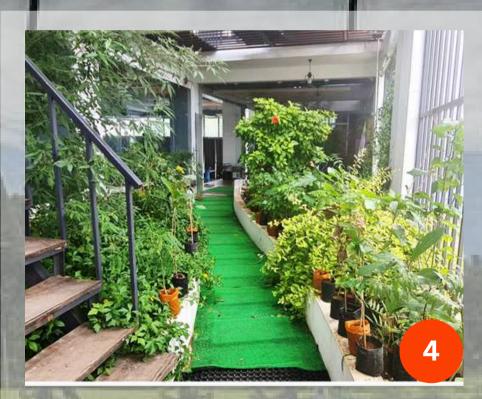
in Maraneri, Sivakasi, Tamilnadu, India

- 300% Efficient HVAC
- 200% Solar-Powered
- 100% Day-lighted
- 100% Views
- 55% Water Reuse
- 30% Roof Garden
- 39% Material Reuse









- 1. Solar Panel
- 2.Reused materials, ergonomic workstation.

- 3. Daylight design, hydration plants, aesthetic wall arts
- 4. Nature incorporated roof garden







Acoustical Quiet Zone



Proper Lightings



Aesthetic Stair



Stage for Celebration



Green Studio Set





Virtual Output Delivers



Evaporative Cooling System

Certified on



Achieved certification under the ISO 9001:2015, 14001:2015, 27001:2022, 45001:2018, 50001:2018 standard for Integrated Quality Management





THE WORLD'S
HIGHEST
LEED CERTIFIED

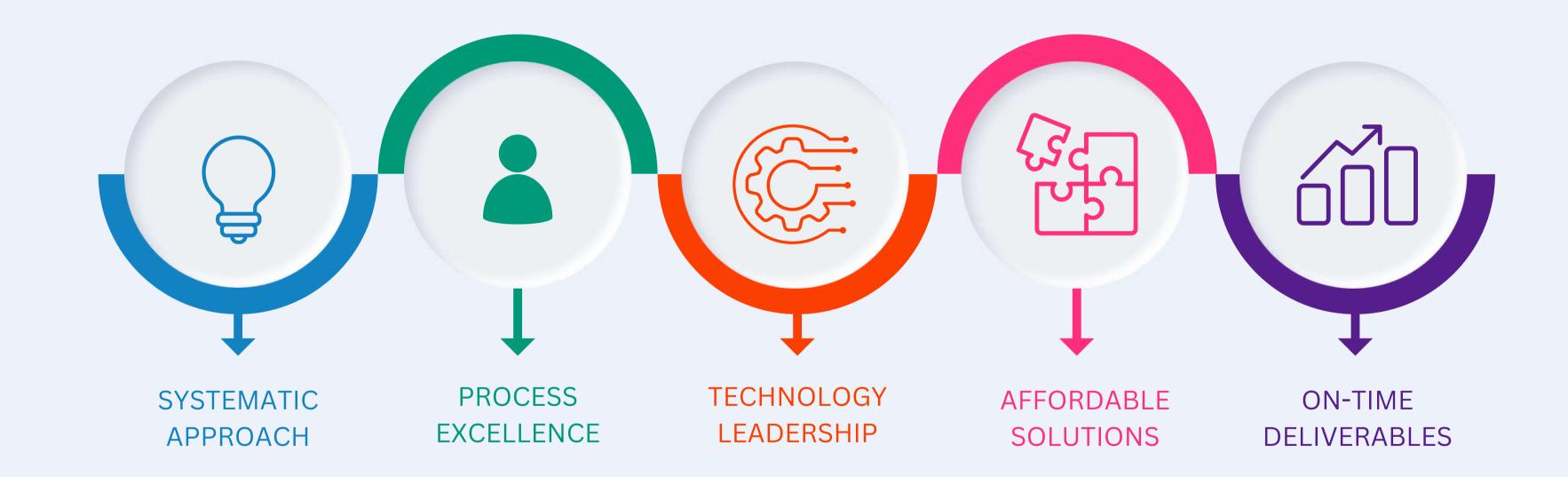
under v4.1 EB O&M Category







Why Innowell



What we do







- HVAC
- Electrical
- Plumbing & Utility Design
- Fire Protection System



BIM

- BIM MEP & Industrial Piping
- BIM C&ID
- BIM Consultancy



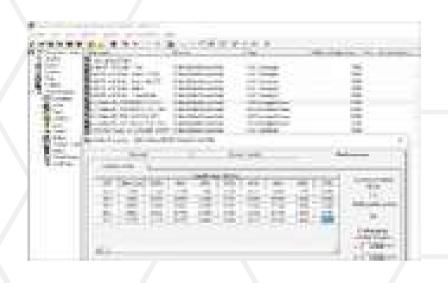
Sustainability

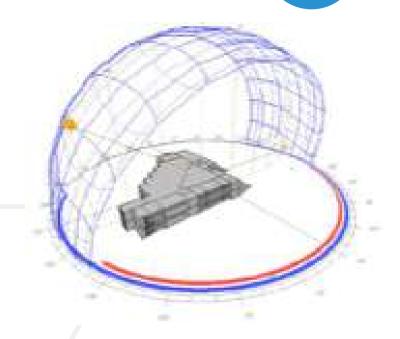
- LEED
- IGBC
- GRIHA
- WELL
- Carbon Reduction Programe
- Energy Audit

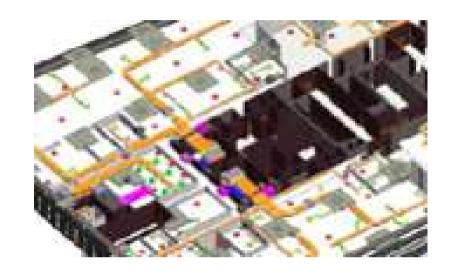


How we do

























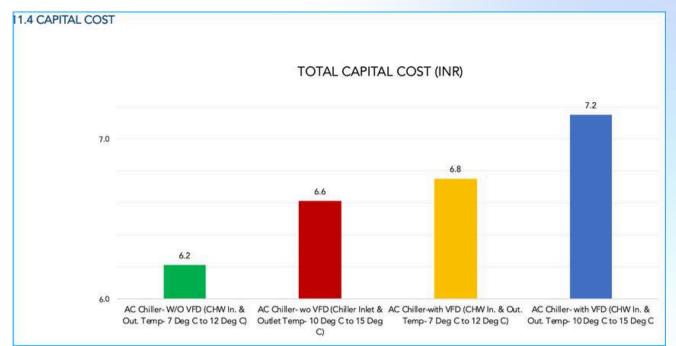


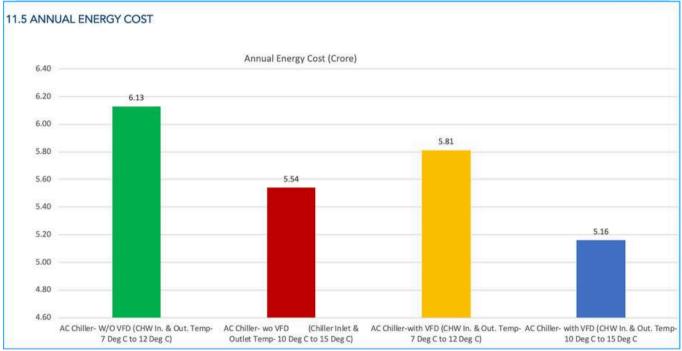


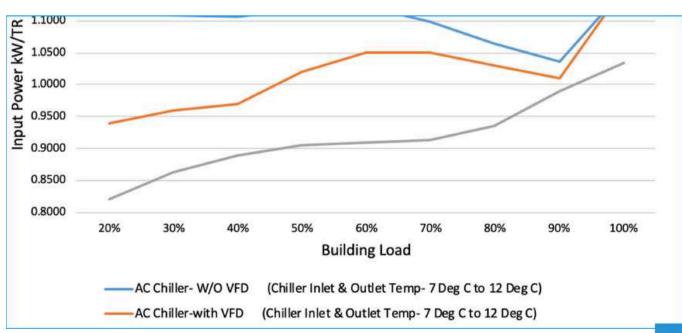
Smart Design Documents

Helps to Make Decision Faster

Optimum Capex, Opex, and ROI decisions can be faster through Visually engaging Charts & Graphics.





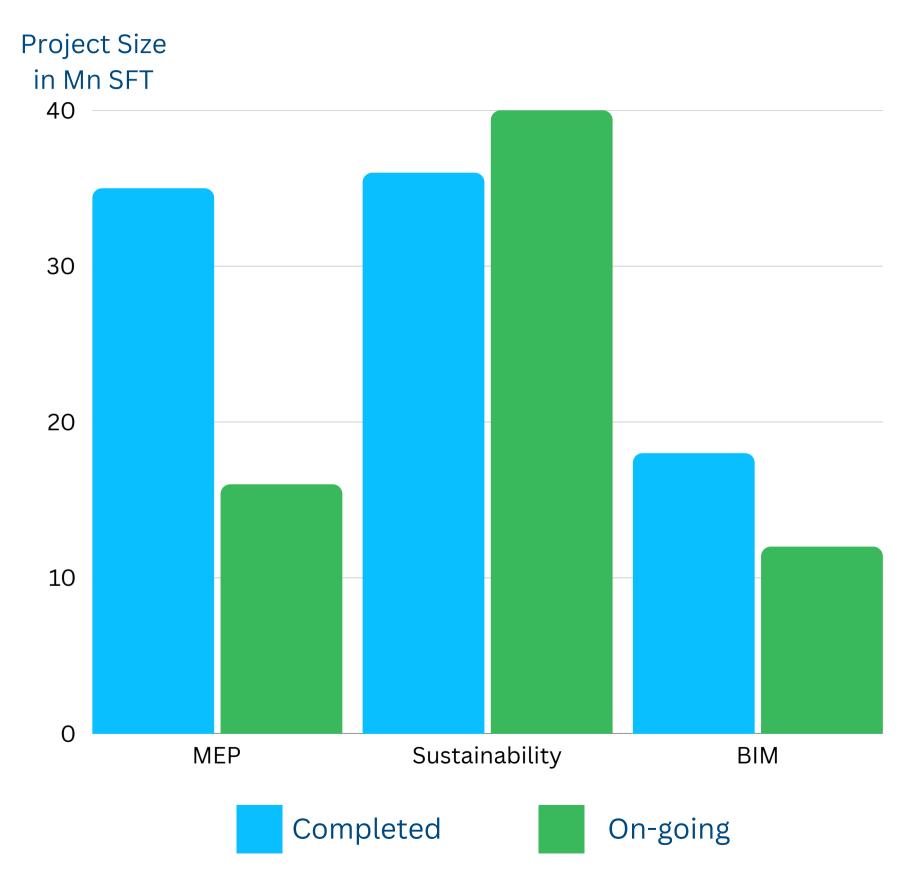






- Commercial Buildings
- Office Fit-outs
- Data centres and Labs
- Hospitals
- Industries
 - Electronic Industries
 - Tyre Factories
 - Bottling Factories
 - Chocolate Factories
 - Textile and Garment Factories
- Clean room Applications

Project Accomplishment





Leadership Profile



Gunasekaran

Director

LEED AP, WELL AP, WELL PTA



Sengathir Selvan
Director

Certified Data Centre Specialist Certified Cleanroom professional



Sankareswari



SamuelAssociate Director



Regobert
Associate Director

IGBC AP



Pandidurai
Manager,
BIM

IGBC AP



Thalaiselvam

Manager, Corporate Sustainability

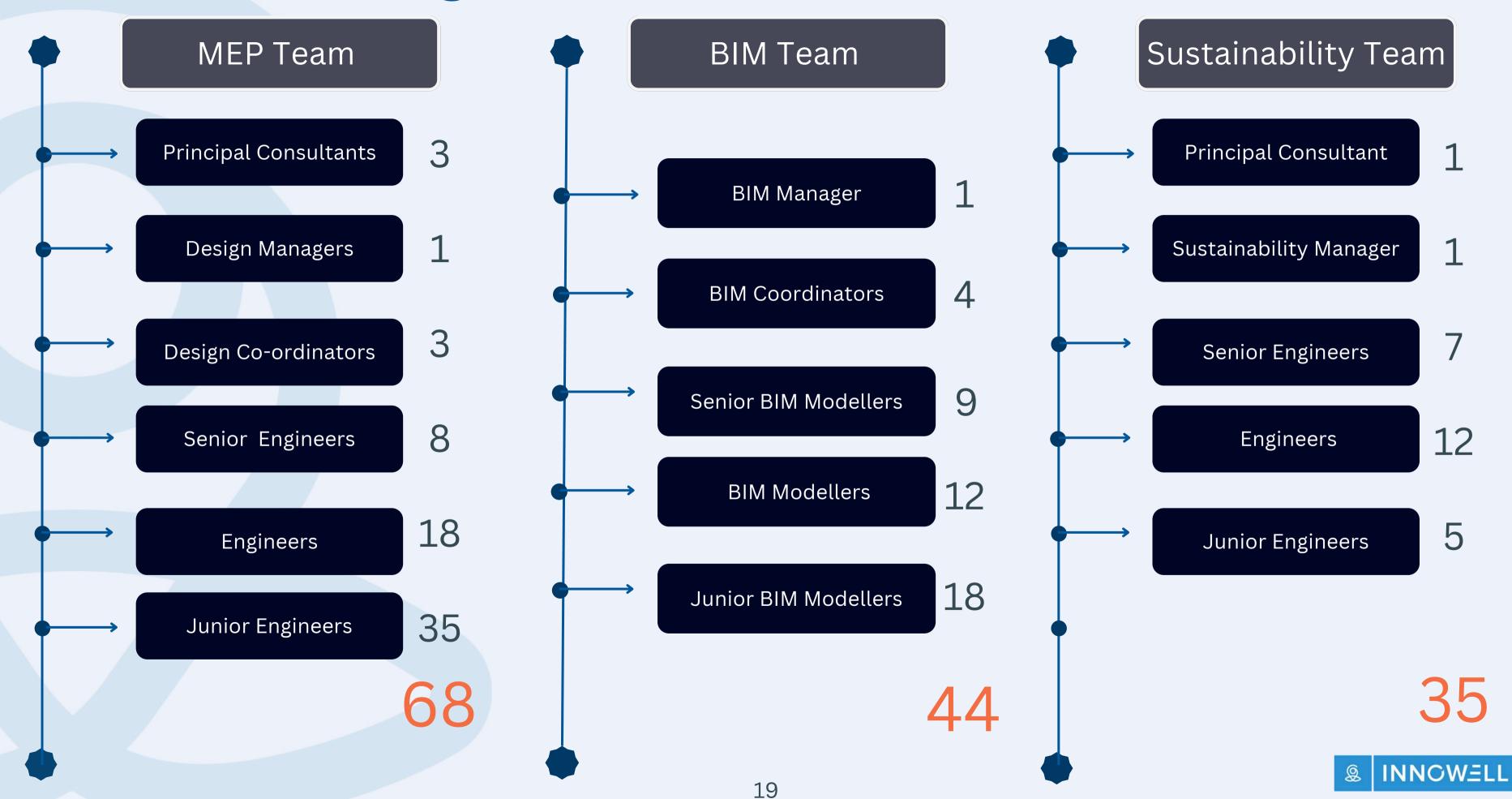
LEED AP, WELL AP, IGBC AP, EDGE Expert, TRUE Advisor, GRIHA CP, LCA Specialist



K.Kalliani
Principal Engineer Electrical



Our Team Strength



Rising Leaders



















Accredited Professionals















LCA Specialist









Partial List of Industrial Projects



Safran, Hyderabad (MEP Design Review)



Mondelez





Parker Hannifen



Nokia



CEAT Tyres

· APTIV · Aptiv



Micheline Tyres

INNOWELL



FUJITEC

Fujitec



BSH



R&D Lab / Phrama / Cleanroom Projects

BioSystems Diagnostics pvt ltd, Chennai



DXN Pharma, Hyderabad

apollo

Apollo Tyres Global R&D Centre, Chennai



EXOnMobil Exxon Mobile, Bengaluru

BIBRAUN BBraun Micro Biology Lab, Chennai



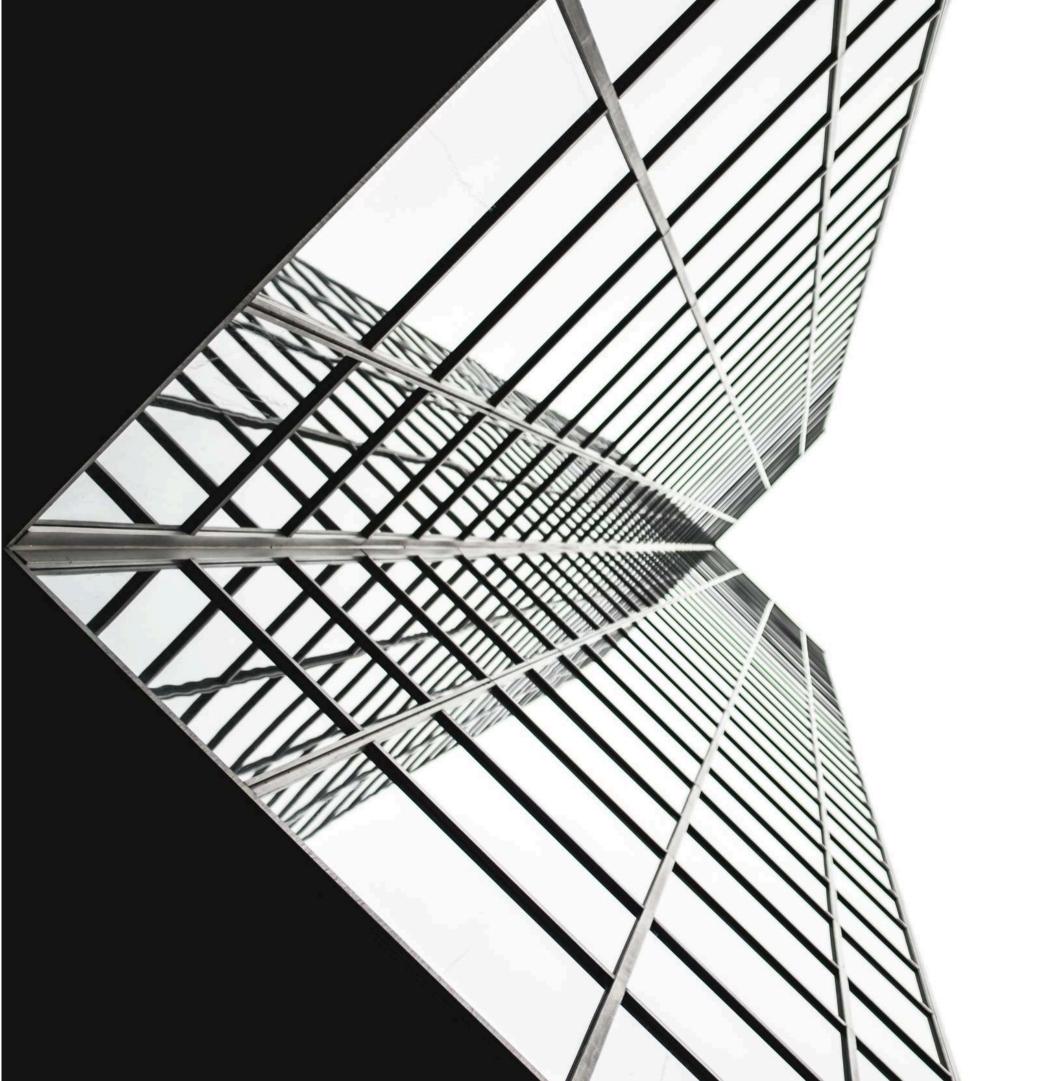
cepta Incepta Pharma, Dhaka



KMCH Hospital, Coimbatore







BIM Project Highlights

Apollo Tyres

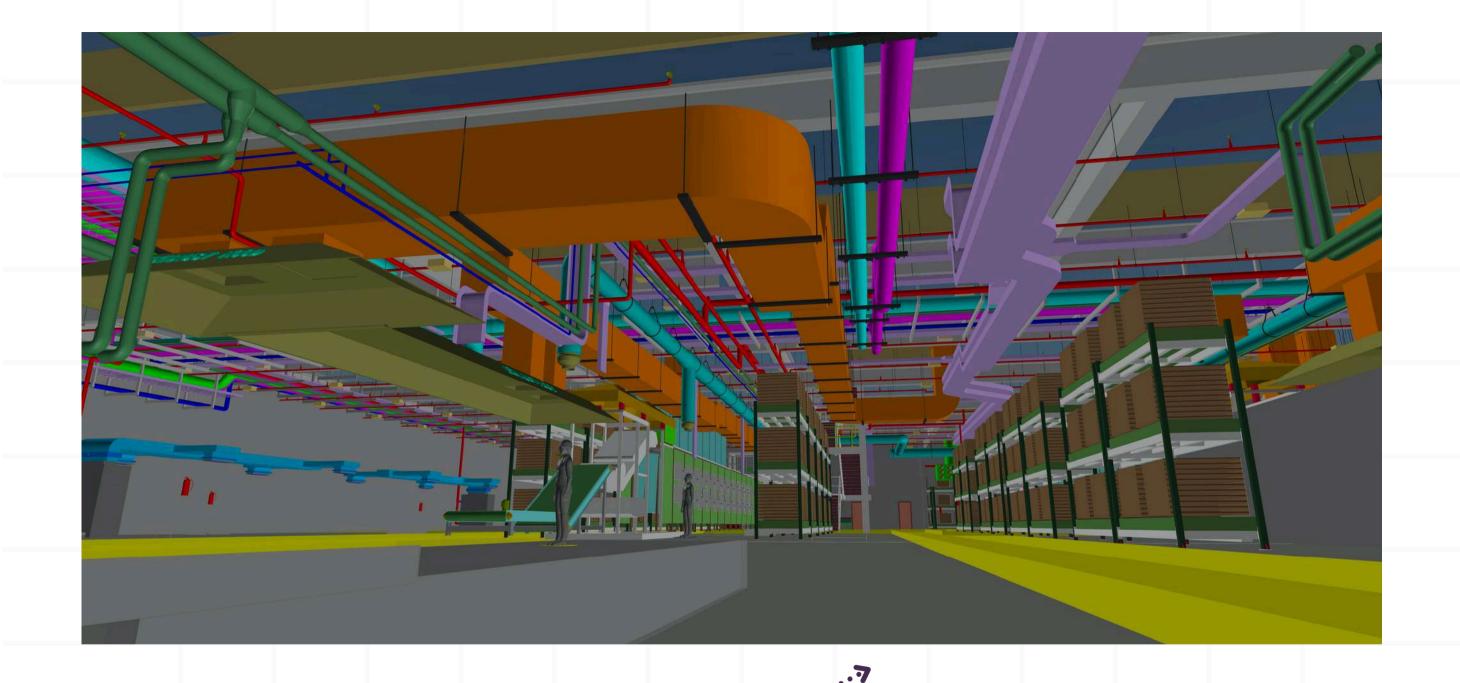
Chennai, Tamilnadu, India

<u>Project Type:</u> Office Building

Scope of work:

HVAC Fabrication Ductwork & Quantification

Size: 500,000 SFT



HVAC, Fire Fighting, Electrical,
Compressed Air, Process Water, Cooling
Water



Salcomp

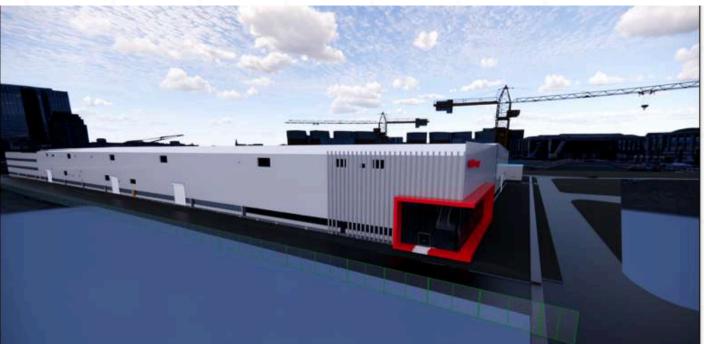
Salcomp -Mobile Assembly / Manufacturing Plan

Chennai, India

Size: 700,000 SFT

<u>Project Type:</u> Industry







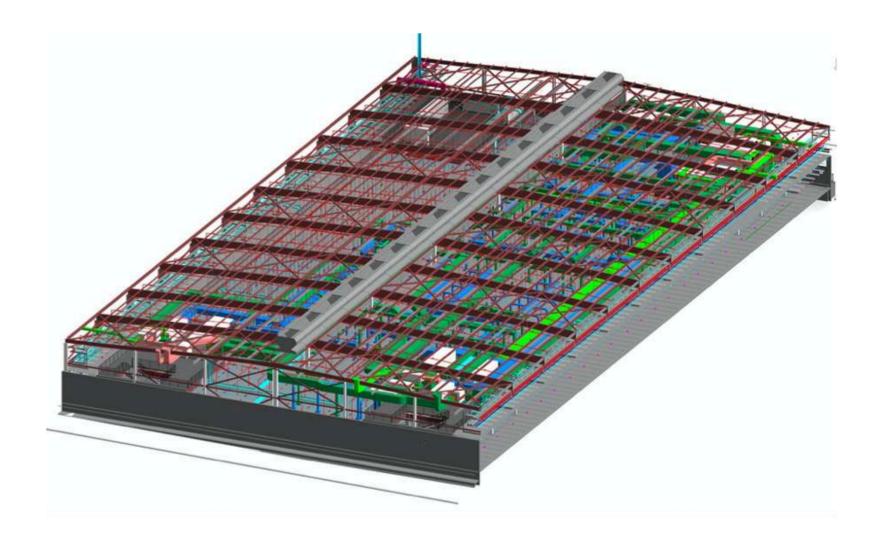
Scope of work:

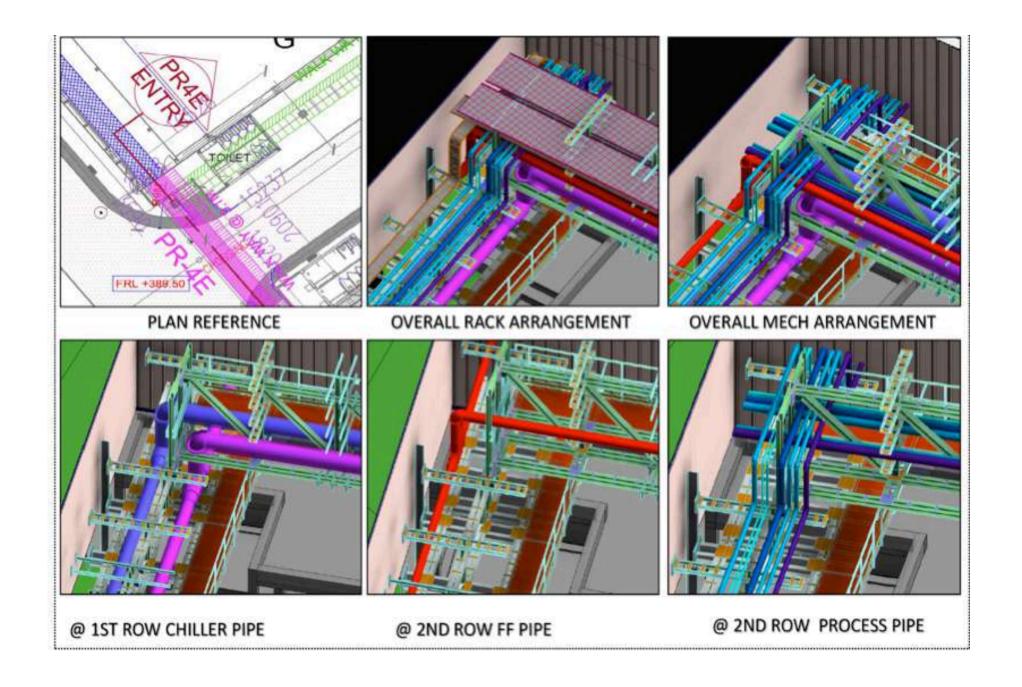
PEB Modelling + Civil Drawing
Extraction

UHD Rendered Images



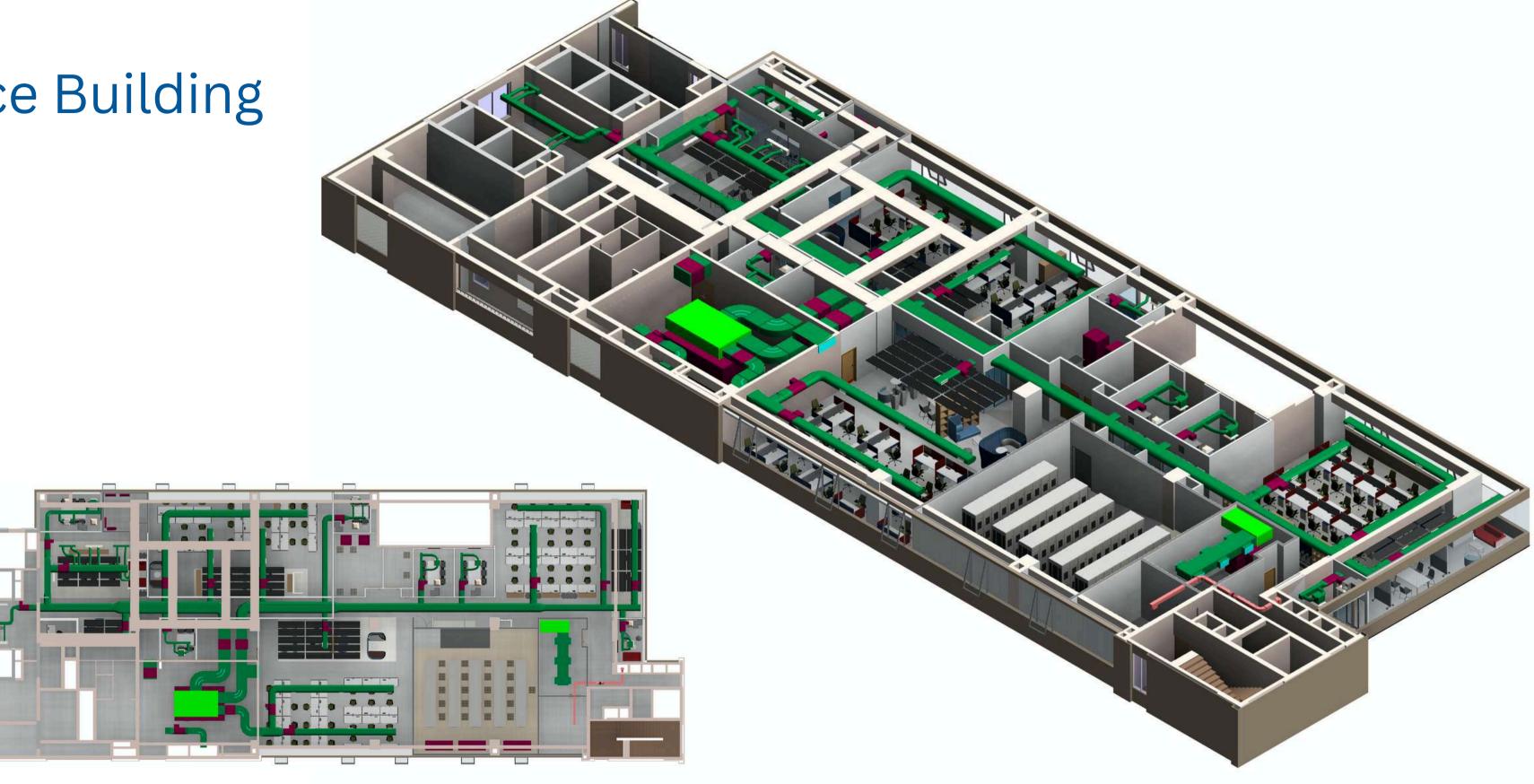
Pharm Building





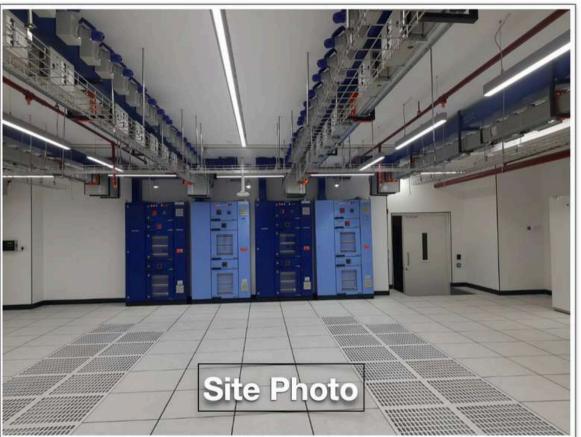


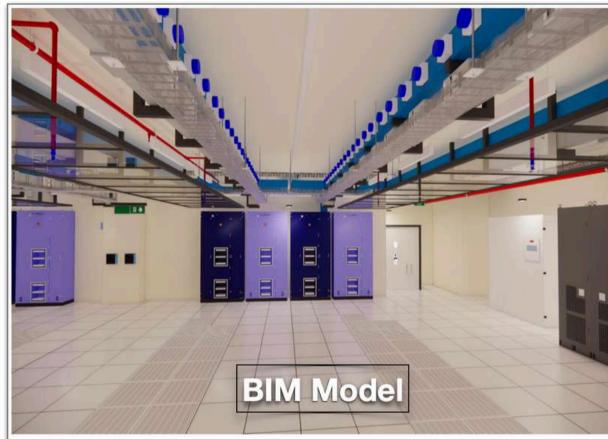
Office Building

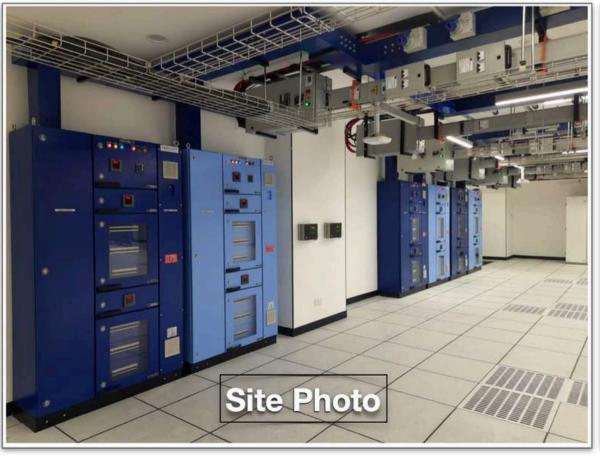




Data Centre Building





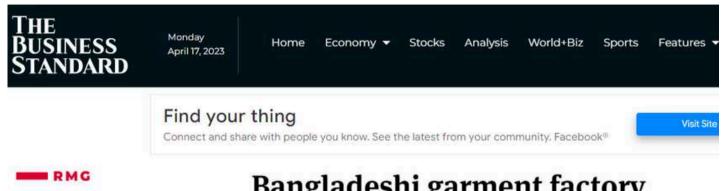








Our Milestone



TBS Report 25 February, 2023, 09:55 pm Last modified: 26 February, 2023, 03:34 pm



RELATED NEWS

Transition challenges for greening the fashion industry

Another RMG factory in Bangladesh recognised as green with platinum rating

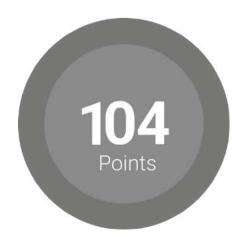
Bangladesh hosts half the top 100 LEED certified green factories across globe

2 more factories recognised 'green' with platinum rating

Bangladeshi garment factory becomes global leader among LEED certified factories









The world's highest scored factory under LEED v4 as of now: 2023





DUBAI SILICON OASIS AUTHORITY المعة دبرب للسيليكون HIGH BAY BUILDING

49MQ+466 - Dubai Silicon Oasis - Industrial Area - Dubai - United Arab Emirates









The first LEED v4.1 O+M factory to achieve LEED Earth in UAE.



apollo APOLLO TYRES

Chennai, Tamilnadu, India

Project Size: 173,480 sq ft

Certified on: 2015











UNIQUE IMPEX

Karur, Tamilnadu India Project Size: 50,488 sq ft



Points Ahieved

82/110

Certified on

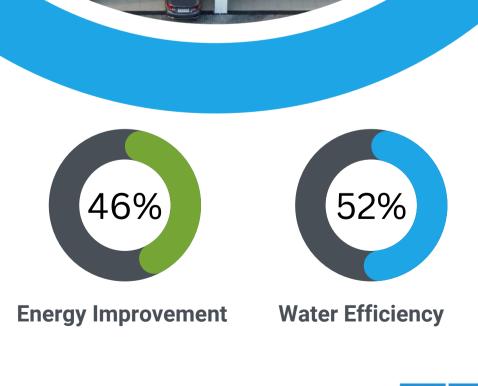
August, 2022

Version

Category

LEED v4

BD+C New Construction









CTRLS DATACENTER AT PIONEER TOWERS

HITEC City, Hyderabad, India.

Project size: 160,230 sq ft

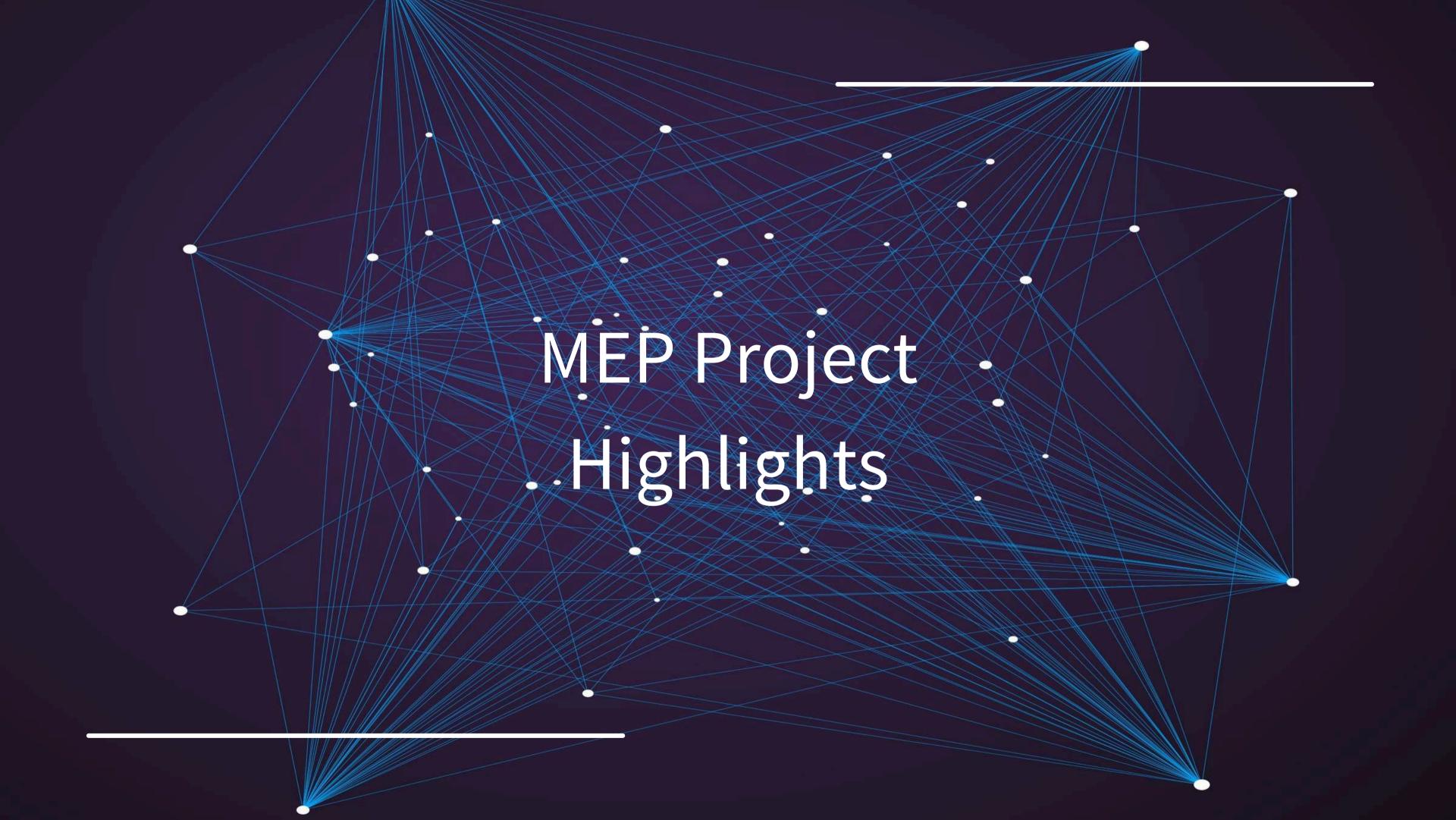






The first LEED v4 O+M Platinum certified Datacenter in the world





Apollo Tyres

Chennai, Tamilnadu, India.

Scope of Work - Design of chiller plant, pumping, tempered chilled water mixing system, general ventilation, fume exhaust, spot cooling, control rooms AC, Building Management System, Fire Protection System.

apollo777RES



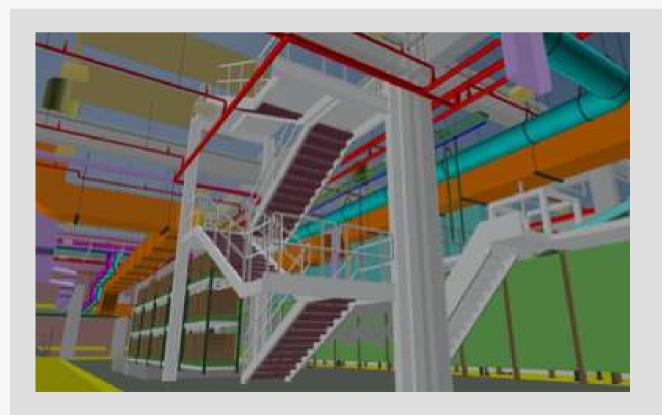
Apollo Tyres

Chennai, Tamilnadu, India.

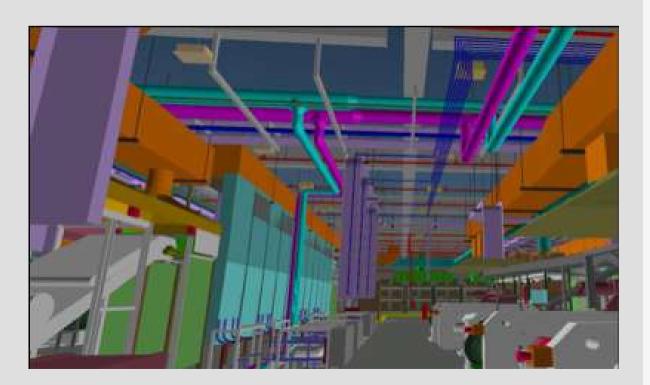
BIM Coordination -

HVAC, Fire Fighting, Electrical, Compressed Air, Process Water, Cooling Water



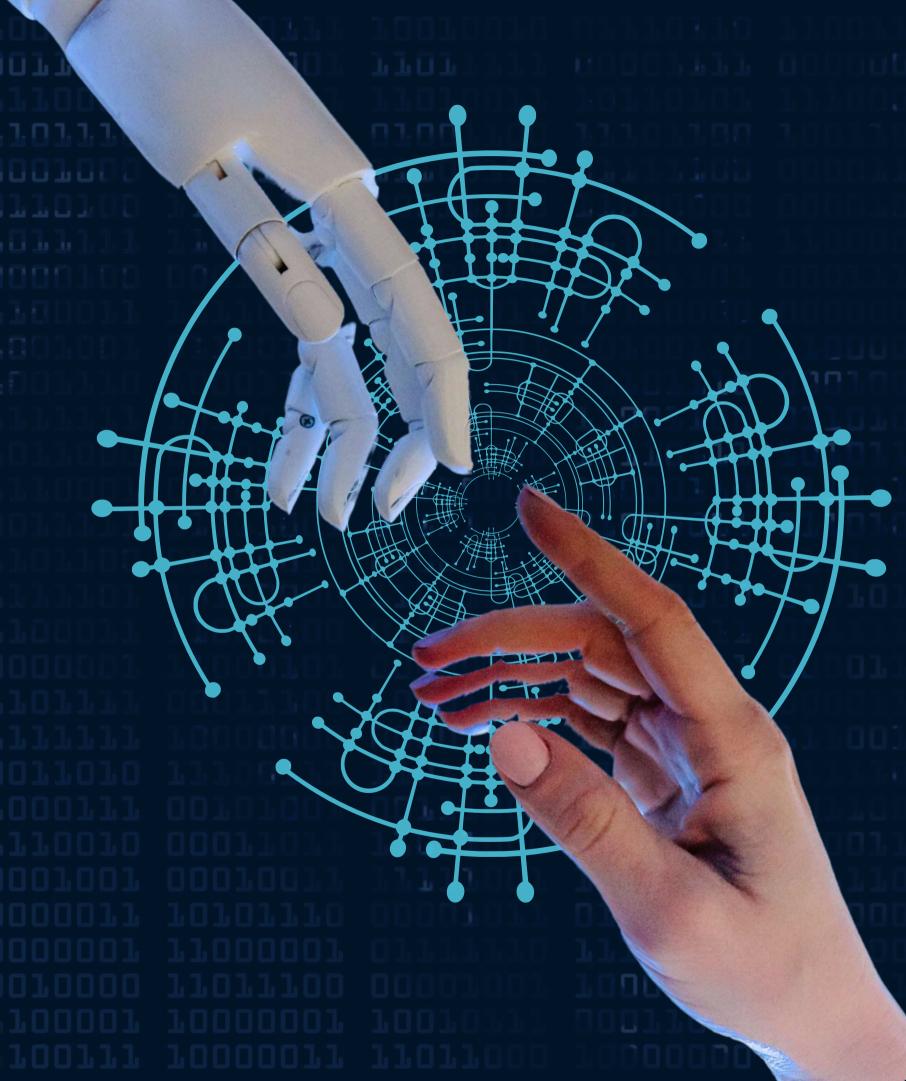


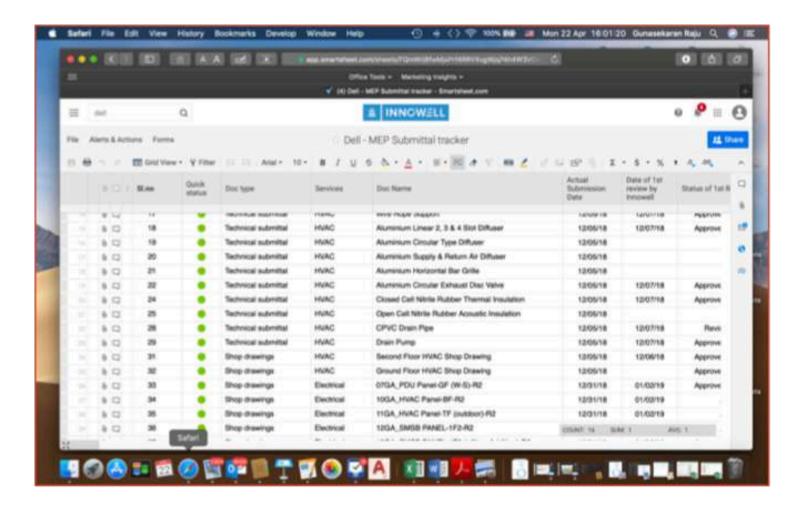


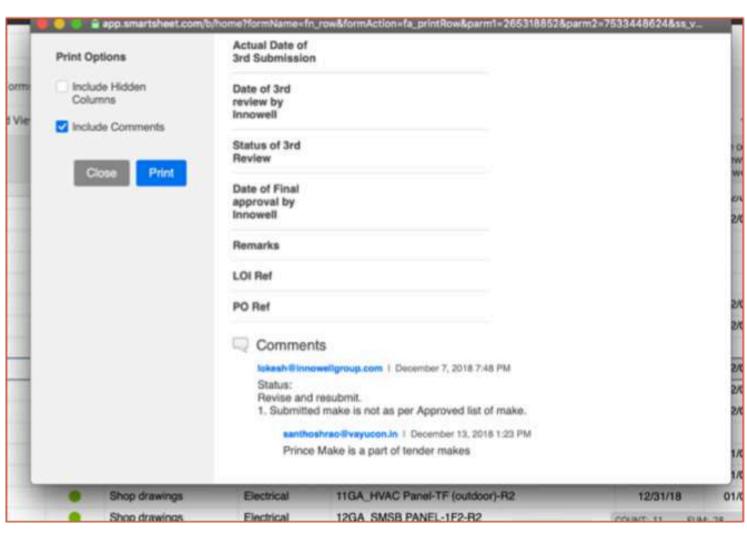




Experience our futuristic Design Process







Empowering at Cloud

Intuitive Collaborate'r

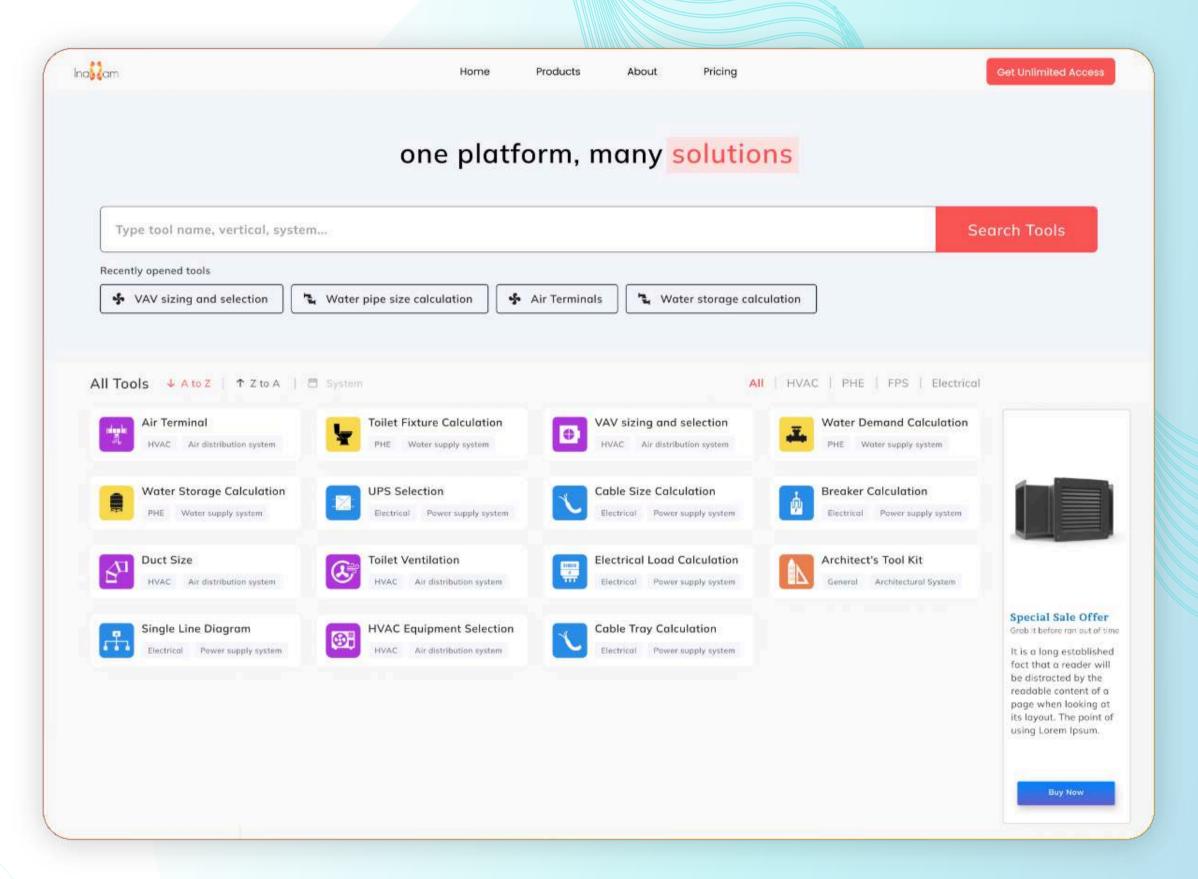
Cloud based "Intuitive Collaborate'r" ensures live engagement of all Project Stakeholder and empowers seamless delivery of Designs and Documents.



Key Approach



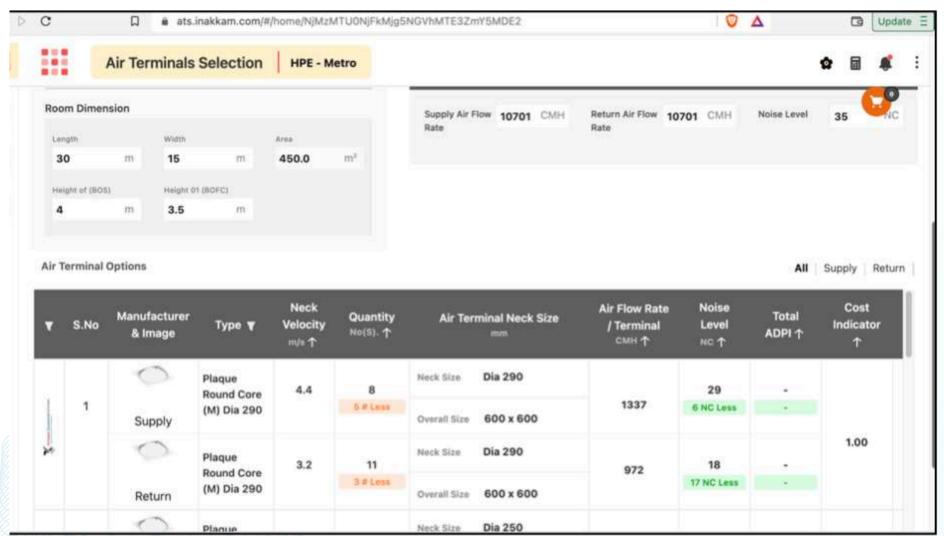
- 100% Design Accuracy
- Lightning-fast Deliverables
- Optional Analysis for optimal selection
- 1000s of product data base
- Integration of standards (NBC,LEED)
- Al based prediction

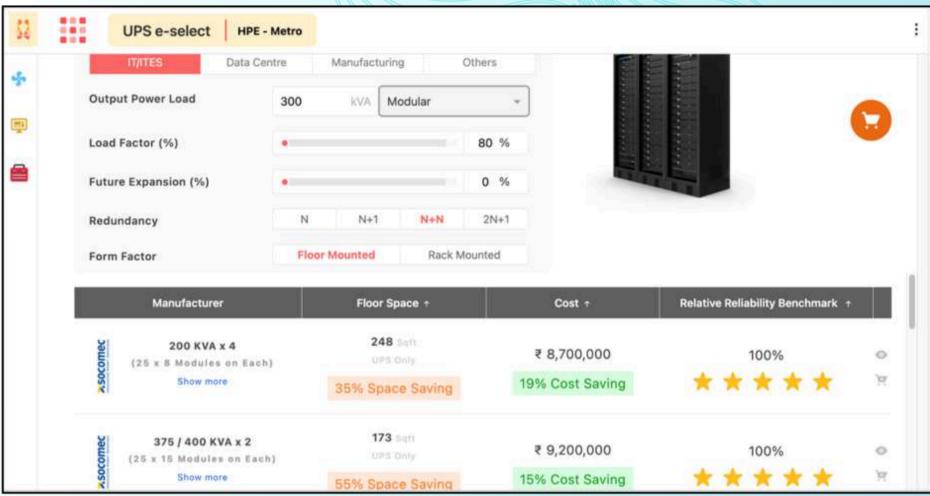


Our MEP designs are created using an automation platform



Key Approach



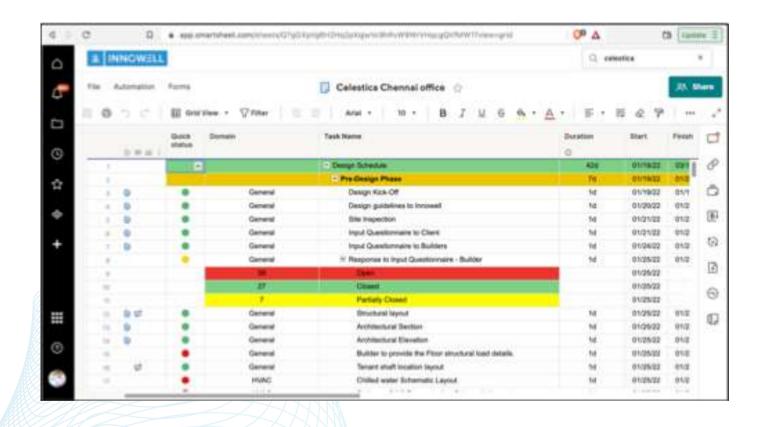


Automated Engineering Tools for best accuracy, reliability and faster delivery.

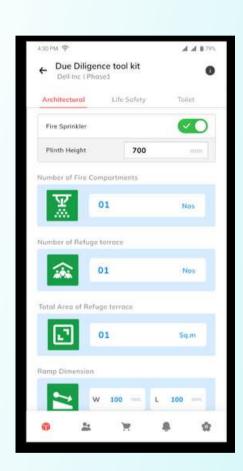


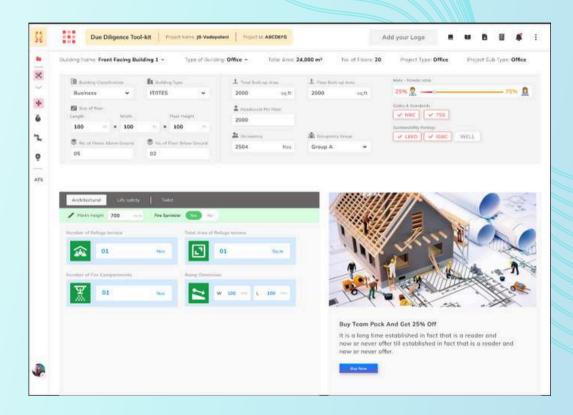


Project Initiation



Effective project management - Input gathering and tracking





Al platform for Due-diligence with NBC guidelines in-built



We are familiar with

The software we utilising for our projects

Design Tools

Presentation Tools

Collaboration Tool

Documentation Management Platform

































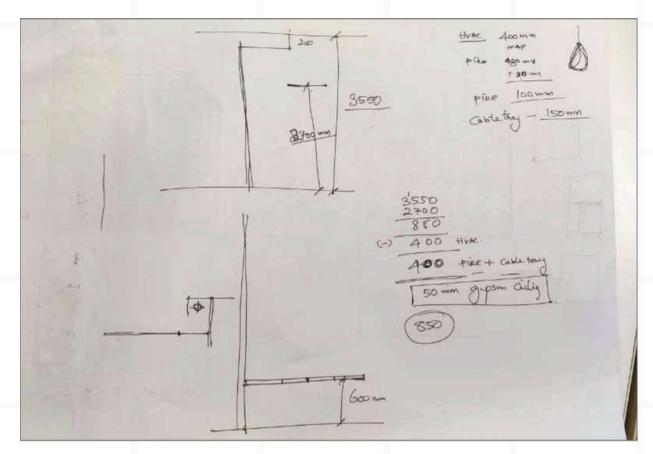




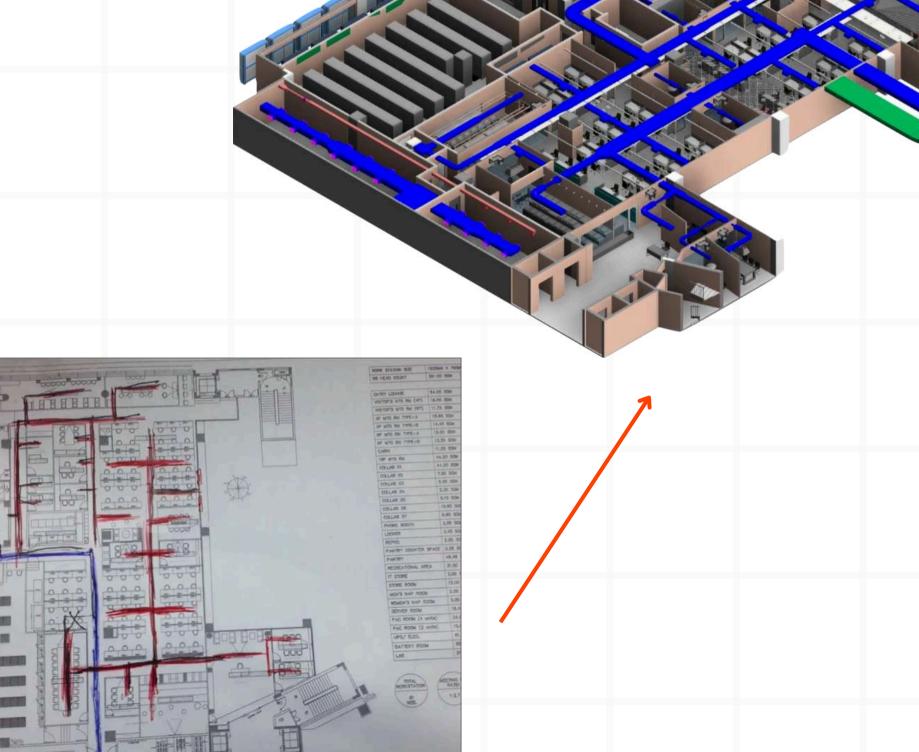




Design Concept to BIM Modelling...



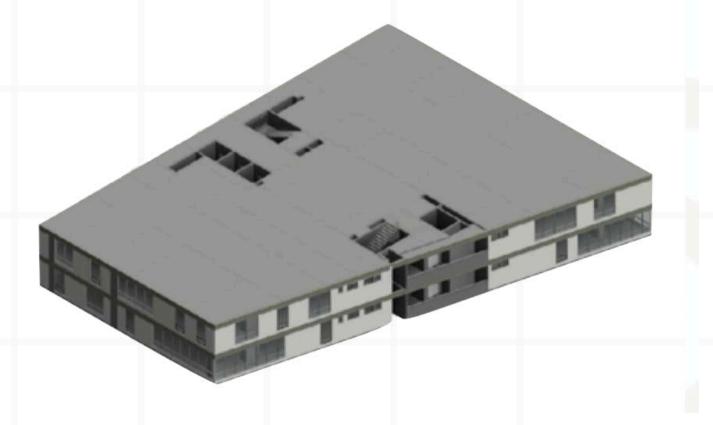




Design Concept to BIM Modelling...



Scan to BIM



Scanned Image

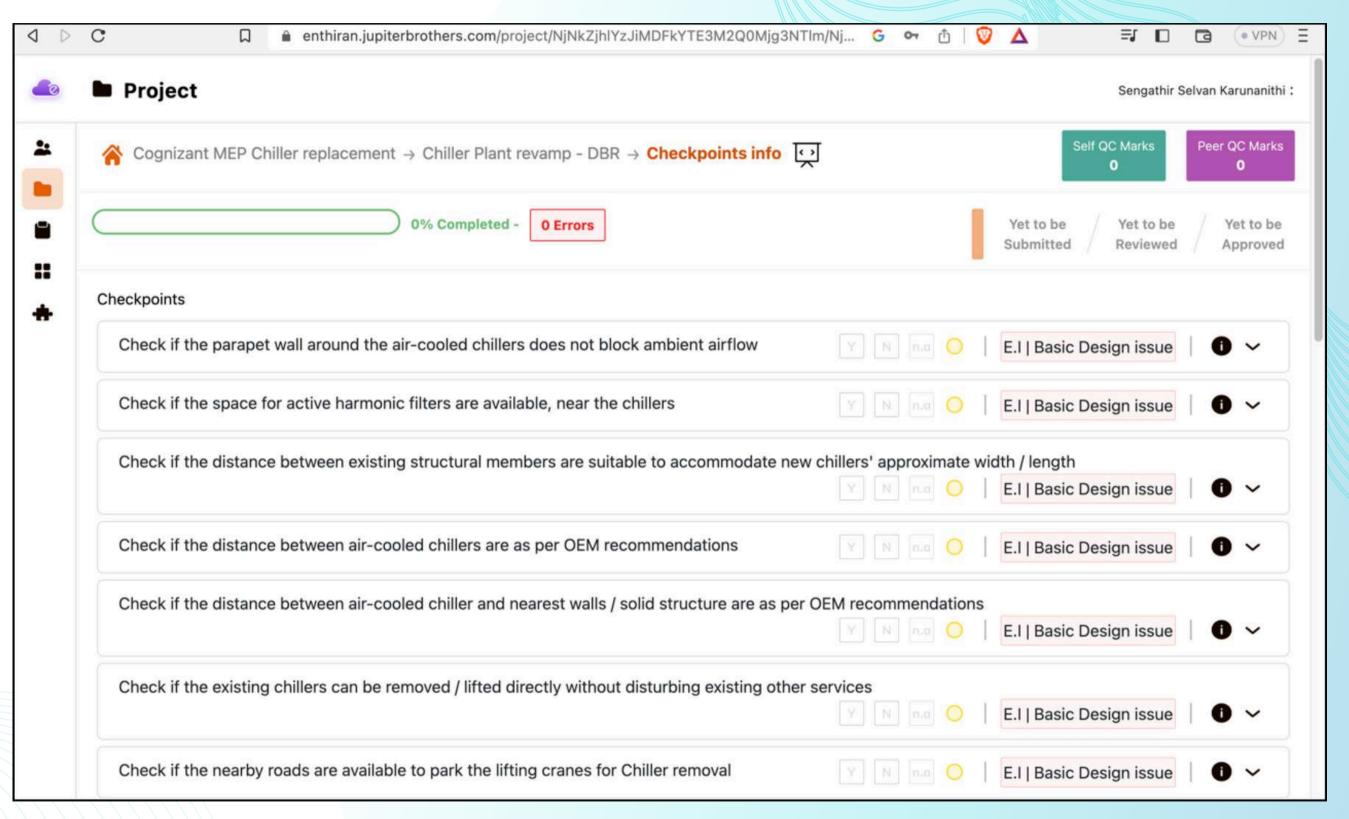
Revit Model Image

Project: Weworks, India Area: 30,000 sq ft

Online Deliverable List



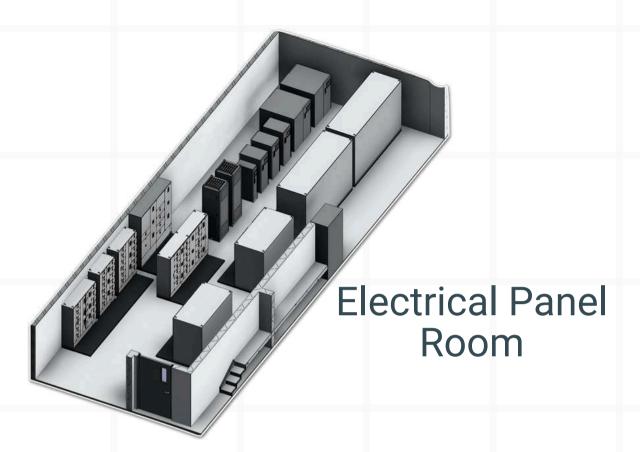
ENTHIRAN

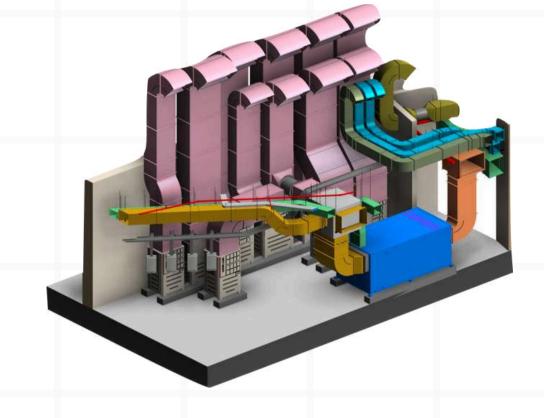


Online Quality Check platform

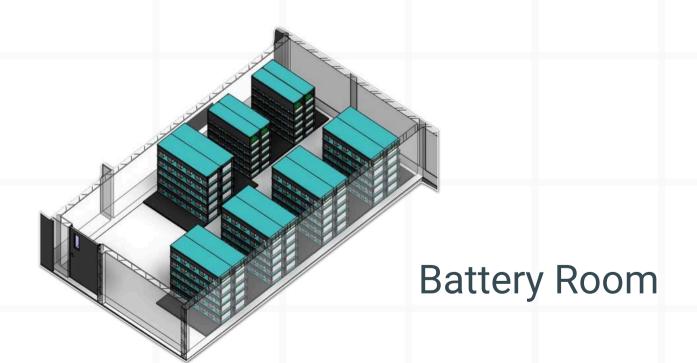


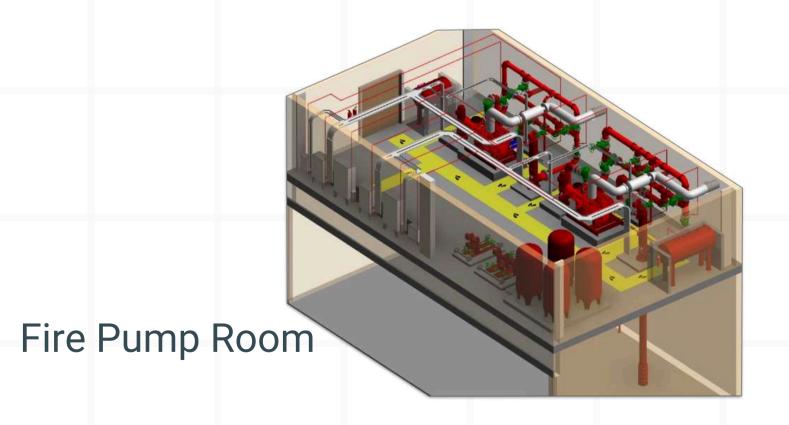
Critical Room Space Planning.. Through BIM





AHU Room





BIM Model Based Automated Quantification (BOQ)

			1. Fabrication	Duct schedule	B		
Tag	Size	Gauge	Thickness	Length	Duct Area (Sq.m)	Count	Unit Reference
eturn Air D	uct	-00					113
BF-001	1.4x1.4	20 G	1.00 mm	0.60	3.35	1	AHU-1
BF-002	1.4x1.4	20 G	1.00 mm	0.49	2.73	1	AHU-1
BF-004	1.4x1.4	20 G	1.00 mm	0.73	4.10	1	AHU-1
BF-005	1.4x1.4	20 G	1.00 mm	1.20	6.72	1	AHU-1
BF-006	1.4x1.4	20 G	1.00 mm	0.80	4.50	1	AHU-1
BF-009	1.4x1.4	20 G	1.00 mm	1.05	5.89	1	AHU-1
				10040772404817	0.70		
BF-011	1.4x1.4	20 G	1.00 mm	1.20	6.72	11	AHU-1
BF-011 upply Air D	NASA 1991-19	20 G	1.00 mm	1.20	34.01	7	AHU-1
	NASA 1991-19	20 G	1.00 mm	1.20			AHU-1
upply Air D	uct				34.01	7	
upply Air D BF-014	uct 1.4x1.4	20 G	1.00 mm	1.20	34.01	7	AHU-1
upply Air D BF-014 BF-017	uct 1.4x1.4 1.4x1.4	20 G 20 G	1.00 mm 1.00 mm	1.20 0.31	34.01 6.72 1.71	7 1 1	AHU-1 AHU-1
upply Air D BF-014 BF-017 BF-019	1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28	34.01 6.72 1.71 1.58	7 1 1 1	AHU-1 AHU-1 AHU-1
upply Air D BF-014 BF-017 BF-019 BF-021	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28	34.01 6.72 1.71 1.58 7.19	7 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1
upply Air D BF-014 BF-017 BF-019 BF-021 BF-022	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28 0.89	34.01 6.72 1.71 1.58 7.19 5.00	7 1 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1
upply Air D BF-014 BF-017 BF-019 BF-021 BF-022 BF-023	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28 0.89 0.55	34.01 6.72 1.71 1.58 7.19 5.00 3.09	7 1 1 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1 AHU-1
upply Air D BF-014 BF-017 BF-019 BF-021 BF-022 BF-023 BF-025	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28 0.89 0.55 1.20	34.01 6.72 1.71 1.58 7.19 5.00 3.09 6.72	7 1 1 1 1 1 1 1 1 1 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1 AHU-1 AHU-1

	FPS PIPE FI	TTING SCHEDULE		
DESCRIPTION	SIZE (DIA)	UNIT COST (NOS)	QTY	TOTAL COST
END CAP				
END CAP	40ø	400	1	400
GROOVED COUPLING	***	11		337
GROOVED COUPLING	100ø-100ø	100	21	2100
GROOVED ELBOW				
GROOVED ELBOW	100ø-100ø	150	7	1050
GROOVED REDUCING TEE		<u></u>		
GROOVED REDUCING TEE	100ø-100ø-20ø	200	2	400
GROOVED REDUCING TEE	100ø-100ø-40ø	250	1	250
THREADED REDUCER	1	- 1		ii fi
THREADED REDUCER	40ø-20ø	400	1	400
THREADED TEE				
THREADED TEE	40ø-40ø-20ø	400	5	2000
THREADED TEE	40ø-40ø-40ø	400	1	400
THREAED ELBOW	000	gu		
THREAED ELBOW	20ø-20ø	350	11	3850
THREAED ELBOW	40ø-40ø	400	4	1600

			1. Fabrication	Duct schedule	1		
Tag	Size	Gauge	Thickness	Length	Duct Area (Sq.m)	Count	Unit Reference
eturn Air Di	ıct						
BF-001	1.4x1.4	20 G	1.00 mm	0.60	3.35	1	AHU-1
BF-002	1.4x1.4	20 G	1.00 mm	0.49	2.73	1	AHU-1
BF-004	1.4x1.4	20 G	1.00 mm	0.73	4.10	1	AHU-1
BF-005	1.4x1.4	20 G	1.00 mm	1.20	6.72	1	AHU-1
BF-006	1.4x1.4	20 G	1.00 mm	0.80	4.50	1	AHU-1
BF-009	1.4x1.4	20 G	1.00 mm	1.05	5.89	1	AHU-1
DI -000							
BF-011	1.4x1.4	20 G	1.00 mm	1.20	6.72	1	AHU-1
	65	20 G	1.00 mm	1.20	6.72 34.01	7	AHU-1
BF-011	65	20 G	1.00 mm	1.20			AHU-1
BF-011	uct				34.01	7	
BF-011 Supply Air Do BF-014	uct 1.4x1.4	20 G	1.00 mm	1.20	34.01	7	AHU-1
BF-011 Supply Air Do BF-014 BF-017	1.4x1.4 1.4x1.4	20 G 20 G	1.00 mm 1.00 mm	1.20 0.31	34.01 6.72 1.71	7 1 1	AHU-1 AHU-1
BF-011 Supply Air Do BF-014 BF-017 BF-019	1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28	34.01 6.72 1.71 1.58	7 1 1 1	AHU-1 AHU-1 AHU-1
BF-011 Supply Air Do BF-014 BF-017 BF-019 BF-021	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28	34.01 6.72 1.71 1.58 7.19	7 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1
BF-011 BF-014 BF-017 BF-019 BF-021 BF-022	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28 0.89	34.01 6.72 1.71 1.58 7.19 5.00	7 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1 AHU-1
BF-011 BF-014 BF-017 BF-019 BF-021 BF-022 BF-023	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28 0.89 0.55	34.01 6.72 1.71 1.58 7.19 5.00 3.09	7 1 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1 AHU-1
BF-011 BF-014 BF-017 BF-019 BF-021 BF-022 BF-023 BF-025	1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4 1.4x1.4	20 G 20 G 20 G 20 G 20 G 20 G 20 G	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm	1.20 0.31 0.28 1.28 0.89 0.55 1.20	34.01 6.72 1.71 1.58 7.19 5.00 3.09 6.72	7 1 1 1 1 1 1	AHU-1 AHU-1 AHU-1 AHU-1 AHU-1 AHU-1

1.	Sound Attenua	tor Schedule		
System	Tag	Size (WxHxL)	Count	Floor Reference
Fresh Air Duct				
Fresh Air Duct	ATT-05	0.5x0.4x0.5	1	Basement
Return Air Duct	**			
Return Air Duct	ATT-02	1.0x0.6x1.0	1	Basement
Return Air Duct	ATT-04	0.4x0.4x1.0	1	Basement
Return Air Duct	ATT-01	1.4x1.4x1.5	1	Basement
Supply Air Duct				
Supply Air Duct	ATT-03	1.4x1.4x1.5	1	Basement

FPS PIPE SCHEDULE					
MATERIAL	SIZE	LENGTH (m)	UNIT COST (RMT)	TOTAL COST	
CAST IRON	20ø	12.4	150	1,854	
CAST IRON	40ø	14.3	400	5,715	
CAST IRON	100ø	16.4	550	8,999	

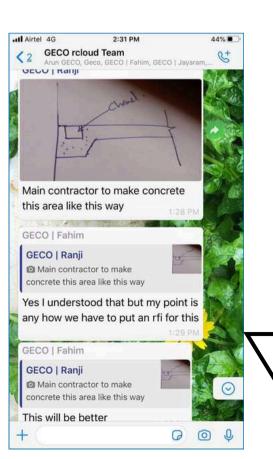
WATER SUPPLY PIPE SCHEDULE						
PIPE MATERIAL	SIZE	LENGTH (m)	UNIT COST (RMT)	TOTAL COST		
PPR	25ø	62.1	150	9,312		
PPR	40ø	25.3	200	5,053		
PPR	50ø	25.0	250	6,250		
PPR	80ø	0.7	300	217		

	WATE	R SUPPLY PIPI	E FITTINGS SCHEDULE		
MATERIAL	SIZE (DIA)	ANGLE	UNIT COST (NOS)	QTY	TOTAL COST
ELBOW					
PPR	25ø-25ø	24°	200	2	400
PPR	25ø-25ø	34°	250	2	500
PPR	25ø-25ø	45°	250	2	500
PPR	25ø-25ø	76°	300	2	600
PPR	25ø-25ø	90°	400	16	6400
PPR	40ø-40ø	23°	450	1	450
PPR	40ø-40ø	43°	450	1	450
PPR	40ø-40ø	90°	450	11	4950
PPR	50ø-50ø	24°	500	1	500
PPR	50ø-50ø	34°	500	1	500
PPR	50ø-50ø	42°	500	2	1000
PPR	50ø-50ø	45°	500	1	500
PPR	50ø-50ø	90°	500	8	4000
END CAP					
PPR	50ø		250	2	500
PPR	80ø		800	1	800
REDUCER					
PPR	40ø-25ø		400	2	800
PPR	50ø-40ø		350	4	1400
PPR	80ø-40ø		400	1	400
PPR	80ø-50ø		350	1	350
EE					
PPR	25ø-25ø-25ø		250	2	500
PPR	40ø-40ø-40ø		400	2	800
PPR	50ø-50ø-40ø		450	4	1800
PPR	50ø-50ø-50ø		500	1	500
PPR	80ø-80ø-50ø		500	4	2000



Project Short Chats! Whats App Discords







We are using improved version of Collaboration softwares for Review / RFI / Issue Communication etc.,

Short level clarification / Information will be communicated through Whatsapp. So the client team will gets day to day update





Apollo Tyres, Chennai



TPI Composites, Chennai



Saint Gobin India Pvt Ltd



Salcomp, Chennai



Mondelez Internal, Sricity



ITC - Paperboards and Specialty Papers Division, Telungana.



Zoho Tenkasi



STTG Data Centre, Chennai & Pune



DELL Crystal Down, Bangalore



Cognizant - Ozone Techno Park, Chennai



DELL, Hyderabad



Tata Communications, Bangalore

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IT Office / Commercial / Labs/Hospitals































CtrlS

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Innowell Engineering International Pvt Ltd



SIVAKASI

2/44, 2/45 Maraneri, Sivakasi, Virudhunagar – 626124, Tamil Nadu, India.

info@innowellgroup.com +91 91509 12319

CHENNAL

269/3B, 1st & 2nd Floor, First Cross Street , Vimalraj Salai , Netaji Nagar, Alapakkam main Road , Maduravayal, Chennai, Tamil Nadu-600095

info@innowellgroup.com +91 98846 59976

BANGALORE

319 First floor, Third Cross, NGEF Layout Kasturi Nagar, Ramamurthy Nagar, Bengaluru-560016, Karnataka, India

samuel@innowellgroup.com
+91 99723 00436

HYDERABAD

Plot no - 111, KPHB Colony, Behind Nexus Mall, Hyderabad, Telangana-500072.

syed@innowellgroup.com
+91 62815 97156

For detailed information, contact concerned account manager.



https://www.linkedin.com/company/innowell-engineering-international-pvt-ltd/