



ANALYTICS DESIGN  
CONVERGING TECHNOLOGIES

# Corporate Profile

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Design & Build  
Project Management & Consultants  
Innovation & Technology



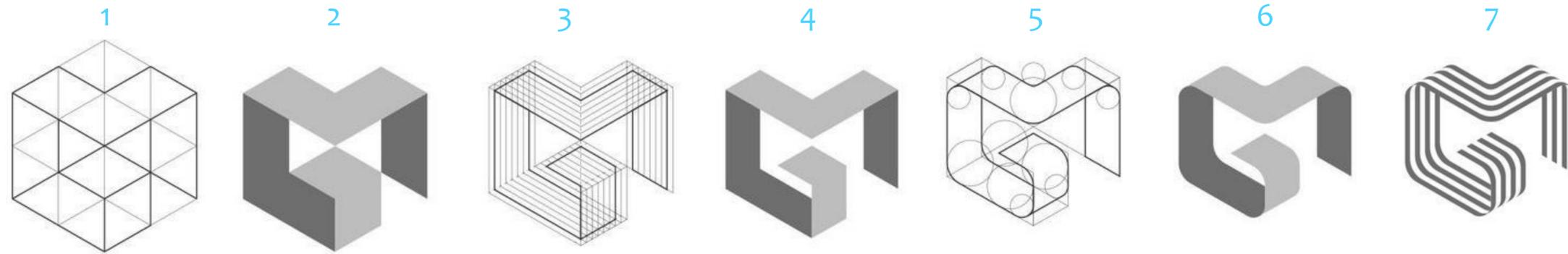
P O R  
T F O  
L I O



The human brain uses emotion to assign meaning to the objects and relationships it perceives. Emotion is fundamental to the brain's creation of meaning, and there can be no meaning or significance **without it.**



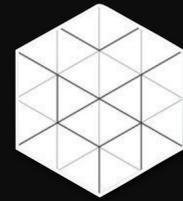
a capability insight into creating possibilities



\_\_\_\_\_ The stages to showcase our capability strategies from a creative collaboration up until now \_\_\_\_\_



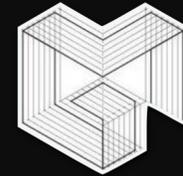
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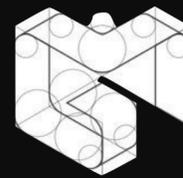
Stage Two : **The Complete Integrated Services Approach (C.I.S.A)**



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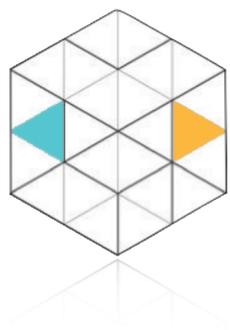
Stage Five : **Approach to Engineering and IT Data infrastructure**



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**Stage One : Our Introduction**  
Firms Overview & Capabilities



**Analytics Design Converging Technologies** caters to the global community's most discerning clientele, offering a wide array of services and products ranging from Artificial Intelligence and Robotics to Industrial Automation & Robotic process automation, Project Management and Consulting services to Sustainability & Energy Engineering and Emerging technologies. With an instinctive understanding of our client's desires, requirements and objectives, we set out to match them in every possible way. We have always stood for people who are committed to uphold quality, precision and speed when it comes to finding Design & Engineering solutions to ensure a great future. We, the people at ADCT recognise that people are our most valuable asset. Our Motto is "encourage consistent behavior that reflects our values of honesty, compassion, consideration for self and others", excellence in effort, desire for personal growth, concern for our company, society, mankind and our planet". We encourage each person to reach their potential and honor their achievement. The strategy to reach our goals is to closely work with every client to understand their requirements and provide solutions that stand the test of time.

**Our success** has been built on our ability to listen to the client. We create customized solutions using local materials and techniques, but with a global approach.

**Our holistic approach to design** combines the needs of the client with the latest in technology to provide sustainable interiors that improves the quality of the facility's occupants.

We believe that in any design situation, whatever the problem, it is essential to **'consult', 'act' and 'deliver' quickly.**

**Intrex** has been built on our ability to listen to the client. We create customized solutions using local materials and techniques, but with a global approach. Our holistic approach to design combines the needs of the client with the latest in technology to provide sustainable interiors that improves the quality of the facility's occupants. Design is core within the Inter framework and connects innovation with creativity by uniting diverse disciplines, technologies and progressive environments. We believe that it relates directly to human experience. It is important to cater to human behaviour in such a manner that the intention of design is almost invisible to the client and it almost becomes a backdrop that architecture falls naturally into.

Co-working spaces, start-up spaces, innovation centers, exhibitions , experience centers , commercial spaces, research institutes—these represent just some of what is now a growing portfolio of workspaces cradling the process of innovation.

## Collaboration

Our collaboration has established various strategic partnerships, alliances and joint ventures with some of the most trusted names in their fields. Through innovation and by partnering with global companies to bring international expertise to the local and regional markets. As a partnership we set the standards for emerging technologies, design standardization, design & build solutions, Architectural as well Interior design and engineering services, with the aim of becoming the whole-some service provider of choice in the region. ADCT and Intrex are a fully integrated company that operates through four major divisions: Design and Engineering Consultancy, Lead Design Solutions, Emerging Technologies & Automation, IOT and Smart systems, Sustainability and Building services.

10+  
INTERNATIONAL  
COLLABORATIONS

10,000+  
CLIENTS SERVICES IN THE  
LAST 37 YEARS

120  
FULL TIME  
PROFESSIONALS



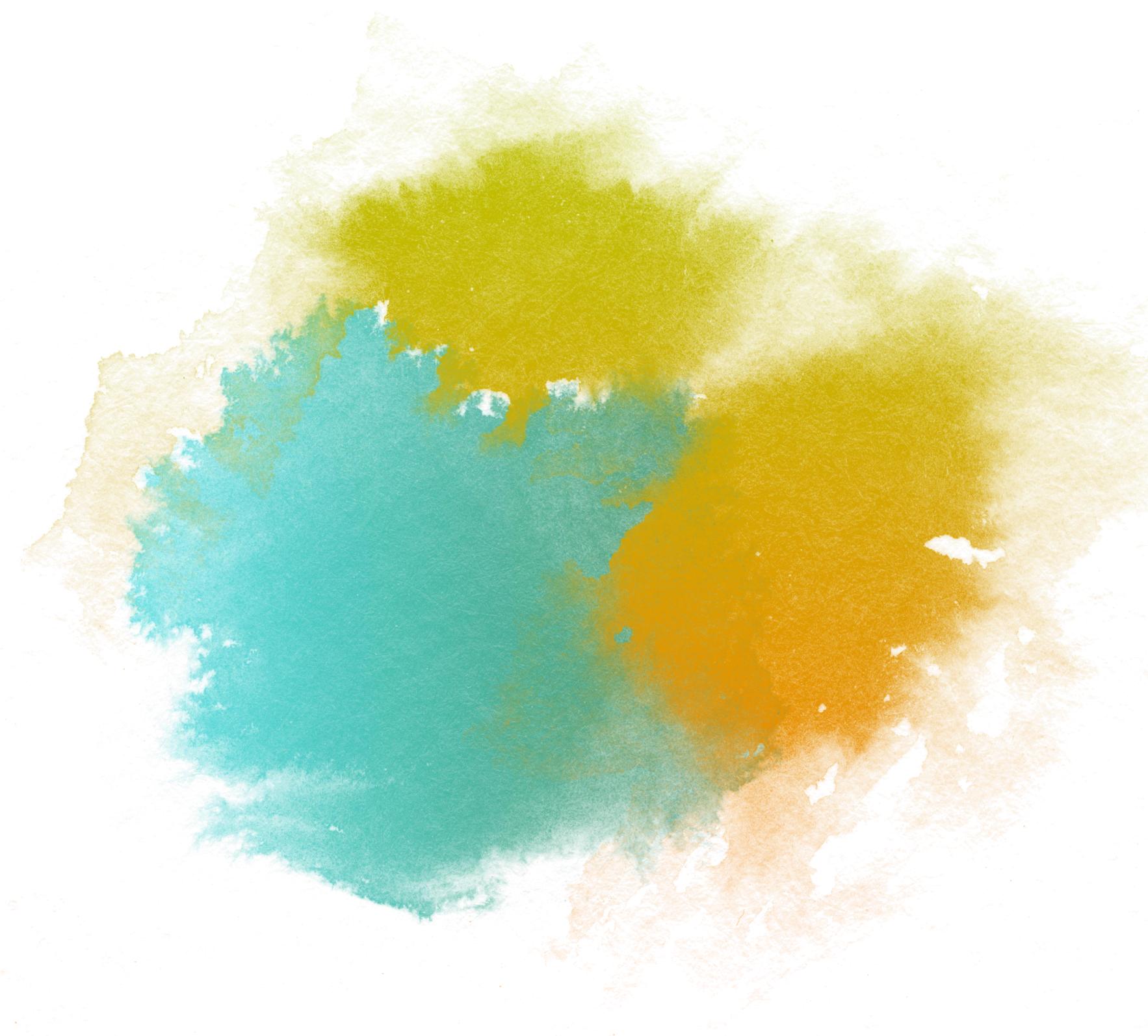
## Economic Viability

As an evolutionary process based on ever changing market scenarios, we constantly develop, maintain and communicate a business plan that is flexible, up-to-date & visionary resulting in an efficient use of available resources for current and future needs. We believe in making the best efforts within the constraints of space, time and resources. We truly believe in design and engineering solutions to provide all our clients with the best of a return of investment on assets and manpower.



## Stage Two : The Complete Integrated Services Approach (C.I.S.A)

When a concept is driven, it is driven with an idea built under immense pressure of holding on to it before it slips away



## INTEGRATED APPROACH OUR SERVICE VERTICALS

LEAD DESIGN CONSULTANCY SERVICES

PROJECT MANAGEMENT CONSULTANCY SERVICES

MANUFACTURING SERVICES : IT

DESIGN & BUILD : INTERIORS & FIT-OUTS

ACOUSTIC DESIGN CONSULTANCY

LIGHTING DESIGN CONSULTANCY

DESIGN + ENGINEERING SERVICES : MEP + DATA + BUILDING AUTOMATION

We believe in strong work ethics and professionalism to provide every client with a well-managed team to deliver an integrated solution. Our team of engineers with international expertise combined with a deeply rooted knowledge of the local market and its regulations, deeply reflect our approach to every job.

**We undertake and deliver the following jobs and roles to each of our clients solely depending on the scope of our job and roles undertaken.**

Keeping sustainability as the key principle behind our design, **our collaboration** caters to the changing trends in the construction industry by designing concepts that transform space, creating designs that stand out from the rest of the world when it comes to efficiency and performance and utilizing available space to create a green environment of the future. Our strong process driven design and project management services combined with our extensive experience of the construction market and suppliers mean that we are uniquely placed to deliver projects to our clients in a consultant's role. The build phase will be managed and quality assured by our experts and engineers while carrying out value engineering to ensure a good ROI to our clients.

**Our key focus on value engineering and cost control keeps the client's investments to a minimum while maximizing efficiency in construction.**

## INTEGRATED APPROACH ENGAGE IN PURPOSEFUL AND RELEVANT DESIGN



### DESIGN

Design is crucial. We believe that it relates directly to human experience. It is important to cater to human behaviour in such a manner that the intention of design is almost invisible to the client and it almost becomes a backdrop that architecture falls naturally into.

Design helps connect innovation with creativity and also helps diverse disciplines, technologies and progressive environments to be united with it.



### DESIGN INTELLIGENCE

We acknowledge and accept newer and more powerful technologies to help develop our designs and also to help showcase our design to the client.

Our team is now eloquent with Revit and BIM. Virtual reality and web-based tools have also become part of our design communication process.



### PROJECT MANAGEMENT

It has a strong and efficient project management team. Our project managers work closely with the client in order to ensure the success of the project.

Our PM assigned to the project sees the project coordination and planning from start to finish. This includes budgeting, scheduling, order tracking, status reporting, on-site management and closure of the project.



### DESIGN & BUILD SERVICES : MEP + IT + BUILDING AUTOMATION + DATA

We provide a collaborative teaming approach combined with strong support and guidance to the project in our capacity as an independent consultant.

The Design & the collaborative services package consultancy we deliver is a shift from the more traditional design-bid-build delivery of interior fit out contracts, but rather offer the client many benefits that add value to a project. The complete package which includes MEP+ IT + Building Automation + IOT & advanced technology subject explorations.



### LIGHTING DESIGN

While technology innovations have opened up exciting new ways to light up office spaces, the goals of a successful lighting design remain the same - to place light purposefully, economically, and for maximum benefit of end users.

Our approach to finding the best value for a project includes: proposing alternate design solutions and providing reality check on pricing and lead times.



### ACOUSTIC DESIGN

Good acoustic design supports performance, productivity and collaborative workplace objectives.

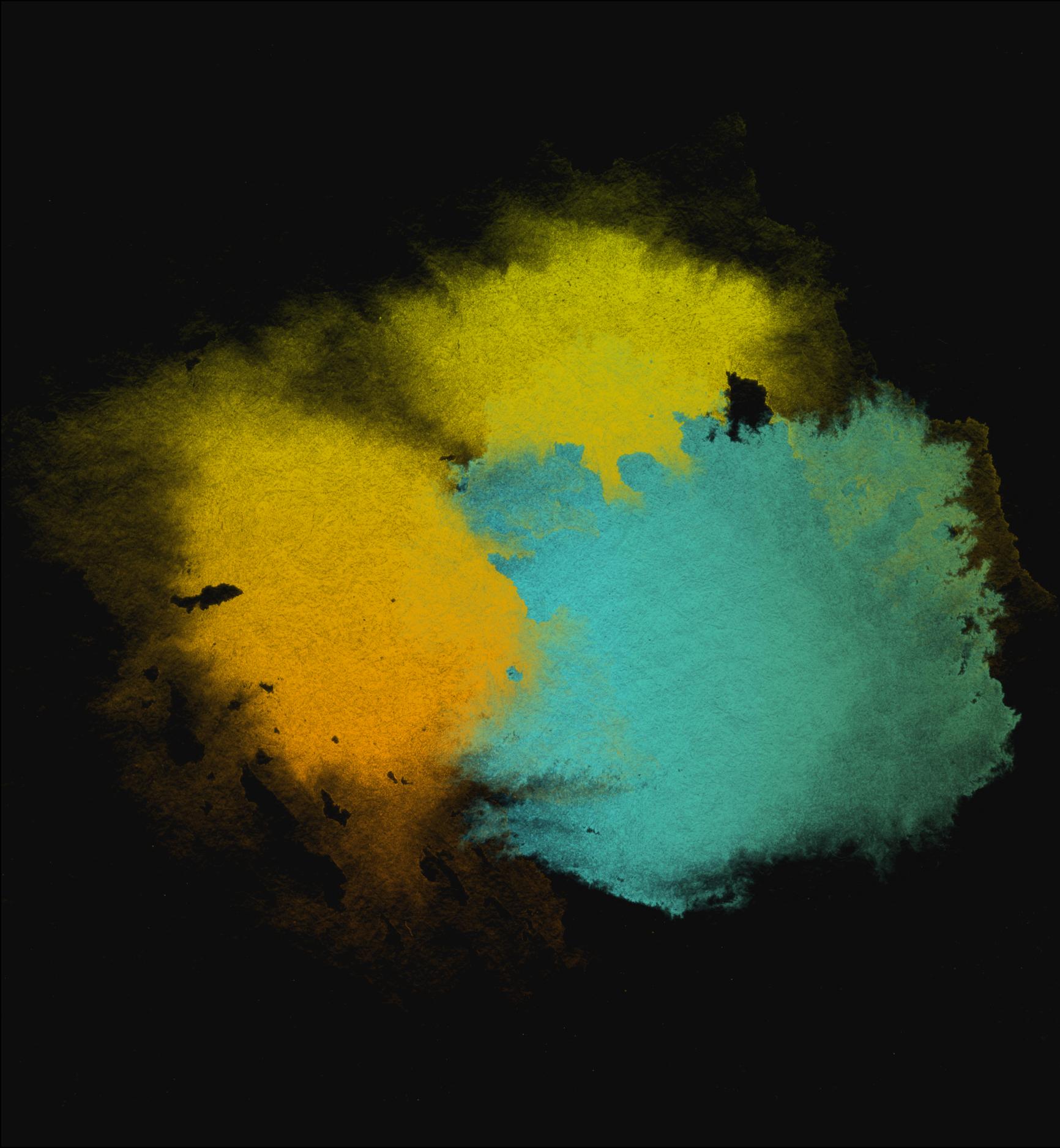
We have two objectives in mind while designing for good acoustics - isolation of noise and mitigating reverberation of noise within a room.



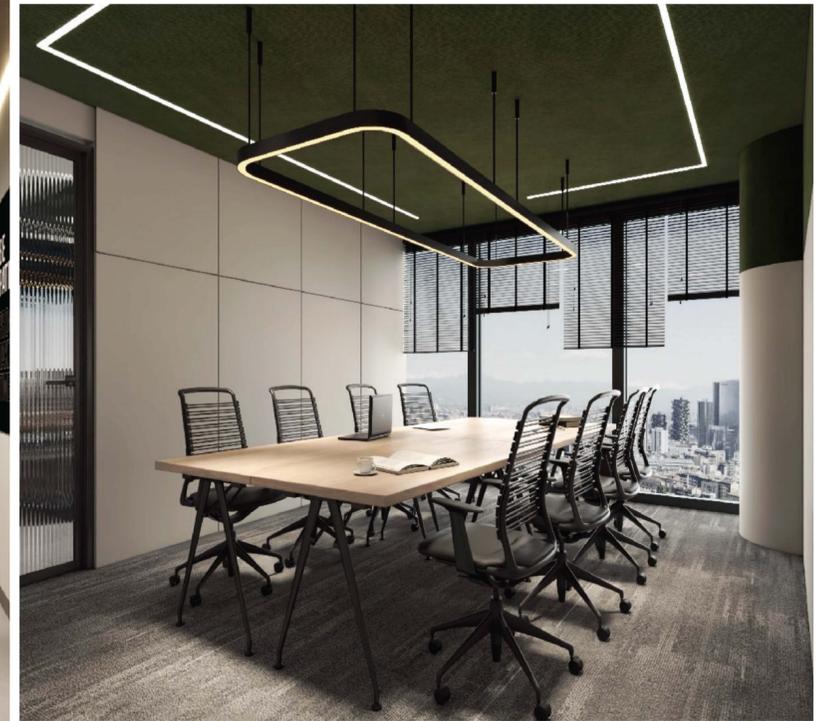
### GRAPHIC DESIGN

Graphic Design is now an integral part of the built environment. Through print and interactive installations, it can express branding and strategic messaging. It can create a sense of pride and inclusion amongst the employees.





**Stage Three : The Projects Experience and Case Studies**  
A SELECTIVE NUMBER OF SUCCESSFUL PROJECTS WORKED ON



PROJECT

REDINGTON

BURJMAN BUSINESS TOWER, DUBAI | AREA : 15,350.00 SQUARE FEET

DATE

2026 - CURRENT

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGMENT SERVICES





PROJECT

REDINGTON

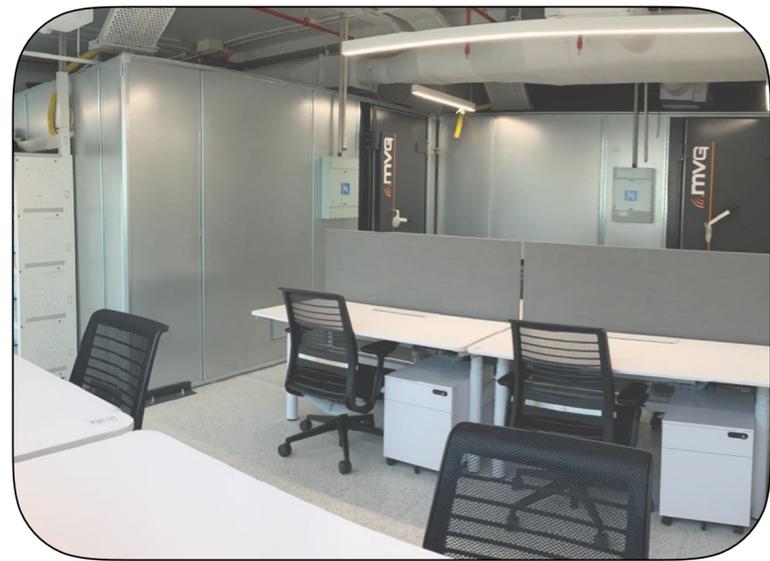
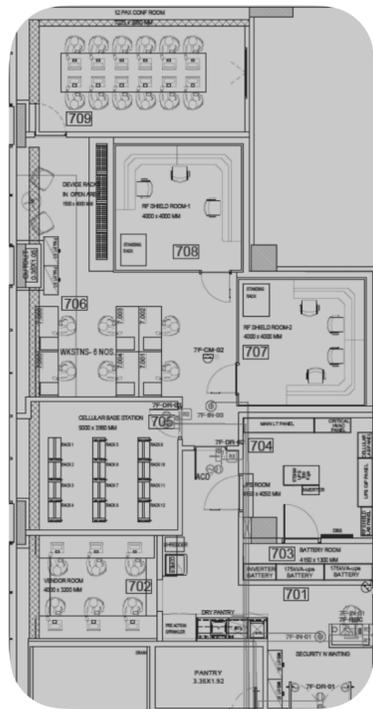
QATAR, AREA : 7050.00 SQUARE FEET

DATE

2026 - CURRENT

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGMENT SERVICES





**PROJECT**    **APPLE PROJECTS**

**MUMBAI + BANGALORE + HYDERABAD + GURGAON | AREA : 200,000.00 SQUARE FEET**



**DATE**    **2016-CURRENT**

**DESCRIPTION : DESIGN & BUILD - R&D , MARKETING , I-TUNES LOUNGE, PRESS BRIEFING AREAS & LABS**



Design



Design Intelligence



Lighting Design



Sustainability and Wellness



Acoustic Design



Design & Project Management

Apple in terms of a brief was that it needed to be very simple and functional planning, wherein all the work desks were to be along the periphery to utilize the natural light to the maximum and have all the full heights & core areas to the centre and accessible to all.

The colour scheme is more or less in Greys, White and Oak. The Oak is restricted to being only in the reception & Break room area, to add the warmth to the space.

The graphics play a very important role as they are very focussed on displaying their products and add the cutting edge and colour to the space.



# FINISHES CATALOGUE EXAMPLE

## MODULAR PANTRY UNIT



Type: Modular Pantry Unit Brand: Oaktree  
Shutter :White crystal glass Dado : Granite Dado  
Counter top – Natural Gray Acrylic  
Vendor: Oak Tree

## FABRIC FOR SEATING



Brand: Kvadrat

## LOUNGE FUNITURE (OPTIONS)



Brand: Muuto  
Series : Cover



Brand: Muuto  
Series : Cover



Brand: Benchmark Series :  
Ovo High Stool



Brand: Wilkhahn  
Series: Aline



Brand: HAY  
Series: Copenhagen  
Deux 210



Brand: HAY  
Series: Copenhagen  
Deux 220

## INTERIOR FINISHES

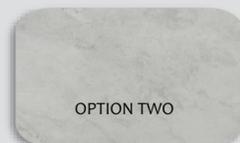
### FLOORING



OPTION ONE

Hard wood flooring

Brand: Parquet Flooring  
Code :Alder Fine wood  
Shade: Classic Oak Finish  
Vendor : Parquet Flooring



OPTION TWO

Dekton ultra compact

Brand: Dekton by  
Cosentino  
Code : Natural  
collection Shade:  
Kovik Vendor:  
Hafele



OPTION THREE

LVT flooring

Brand: Interface  
Code :A004-  
17 Silver Dune  
Shade: Light grey  
Ashlar installation

### CEILING



Metal Mesh ceiling

Brand: Hunter Douglas  
Shade :Expanded Metal  
mesh ceiling  
Size : 600 X 600mm  
Vendor : Hunter Douglas



Gypsum Ceiling

### WALL SURFACE



Wall Paint

Brand: Asian Royale  
Velvet Touch Paint  
Finish: RAL 1090  
Vendor: Asian Paint



Granite Dado – counter

Code: White Agate Granite  
Finish : Python Finish  
Vendor: Krismar



MDF Panelling  
(WITH OPTION  
ONE)

Brand: Exotic  
Interiors Finish :  
Linea perforated  
panel 27/3mm



MDF Panelling  
(WITH OPTION  
TWO)

Brand: Exotic  
Interiors Finish :  
Linear panel



MDF Panelling  
(WITH OPTION THREE)

Brand: Exotic  
Interiors  
Finish : Linear panel

### LIGHTING (options)



Brand: Flos Series :  
Smithfield



Brand: Maxim  
Series : Nordic  
Bell



Brand: Regent  
Series : Solo Slim





Design concept for Google office for their Hyderabad facility which caters to 5500 people. One of the most luxurious office spaces with all the facilities available in the campus and with the area of 200 sq.ft. per person. The building is designed considering the micro climate of Hyderabad – providing punctures in the building façade and pulling the green environment inside.

PROJECT

GOOGLE PROJECTS

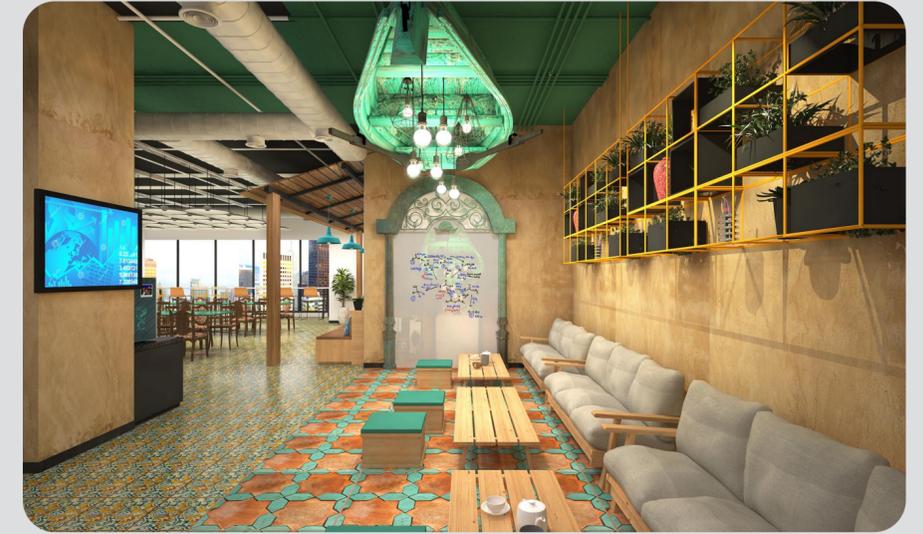
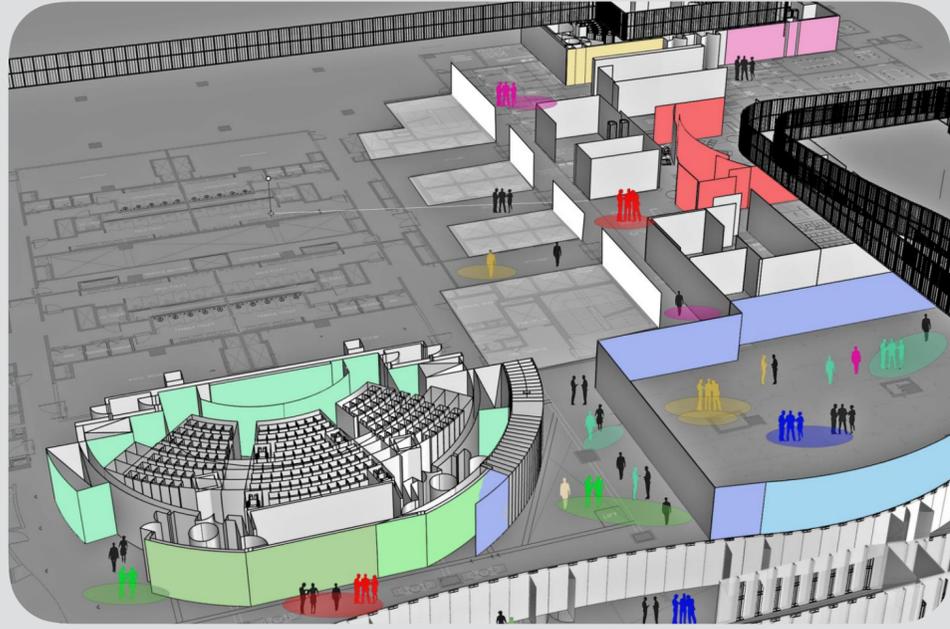
MUMBAI + BANGALORE + GURGAON + HYDERABAD AREA : 1.5 MILLION SQUARE FEET



DATE

2016-CURRENT ( PROJECTS ONGOING )

DESCRIPTION : INTEGRATED DESIGN & PROJECT MANAGEMENT SERVICES



**SPREADING THE GOOGLI-NESS**



**PROJECT** GOOGLE PROJECTS

MUMBAI + BANGALORE + GURGAON AREA : 1.5 MILLION SQUARE FEET



**DATE** 2016-CURRENT ( PROJECTS ONGOING )

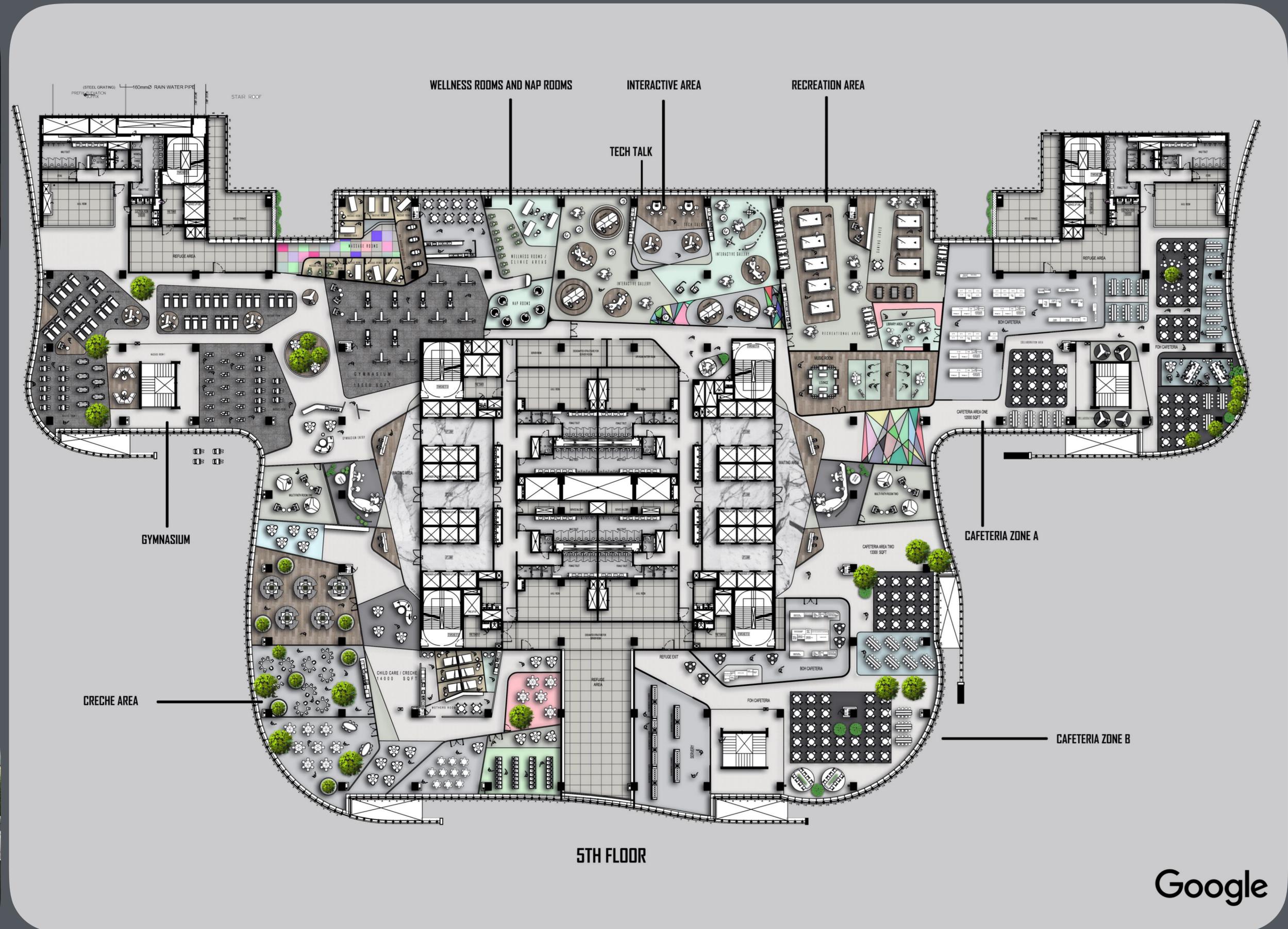
**DESCRIPTION :** INTEGRATED DESIGN & PROJECT MANAGEMENT SERVICES

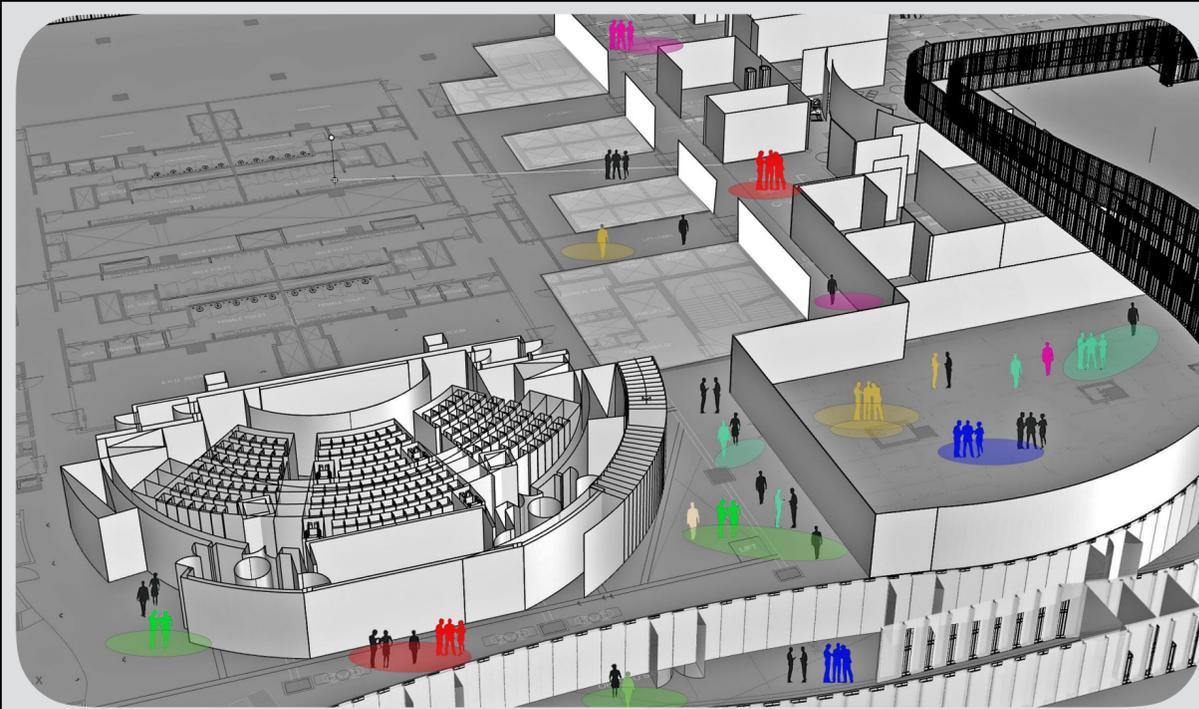


Four different Google offices in four different locations were based on four different themes.

While the Bangalore office was themed on the IT Hub that the city is famous for, the Mumbai office was themed on the festivals and the culture of Mumbai. The current Hyderabad office is being designed to connect twenty floors of office space via a design theme which depicts different regions of the world as connected by the journey of the river.

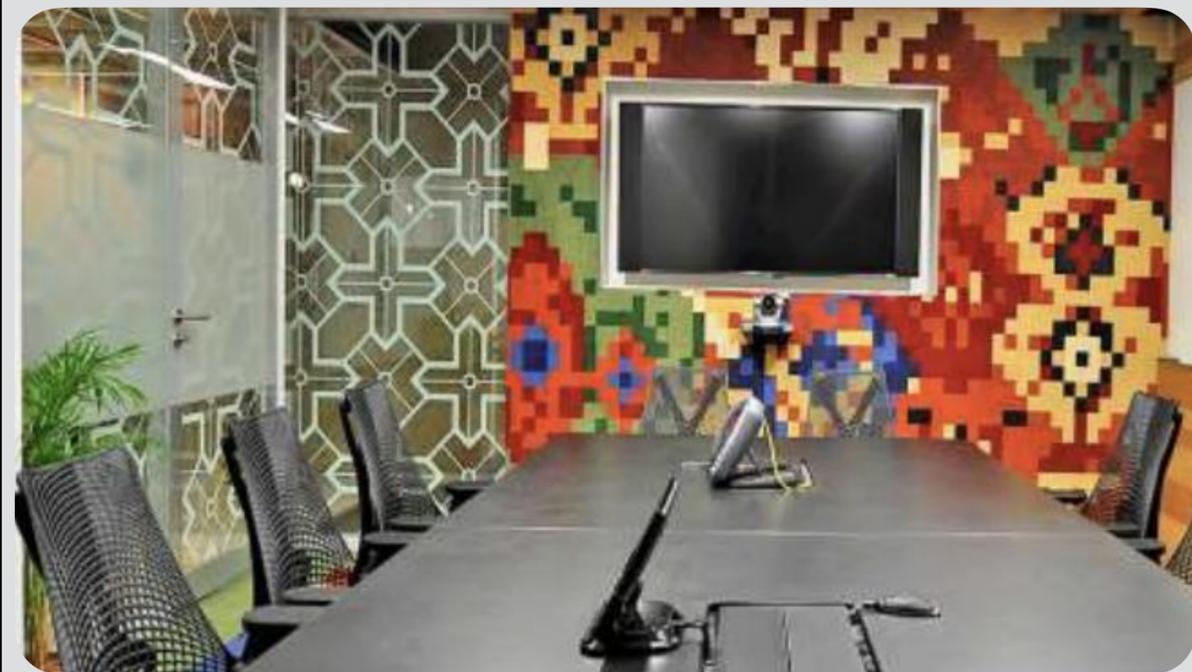
What's common in all the offices is that the users belong to a young age group ; the design revolved around usage of bold colors with life size graphics. Other design features include the creative usage of bold wall papers & carpets ;with designer accent lights used at strategic locations.



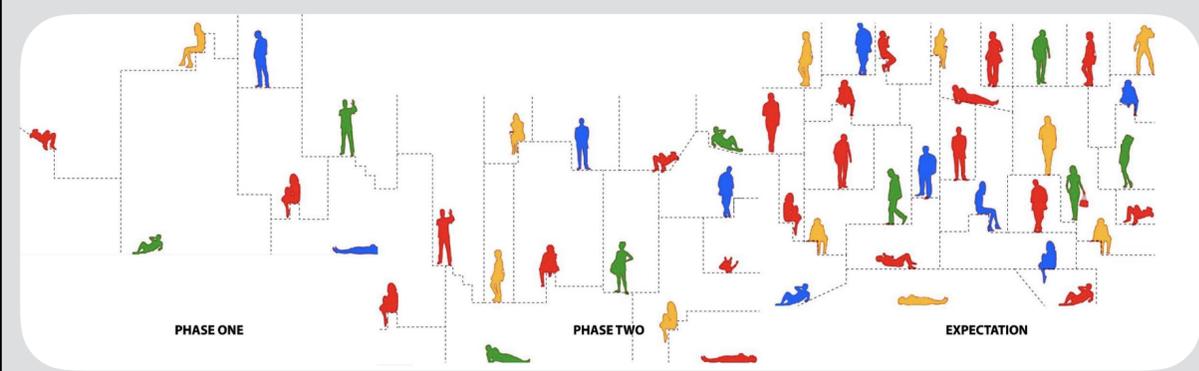


Google's event and meeting space is an absolute game changer. It's flexible enough for nonprofits to host collaborative brainstorming sessions to larger capacity, full-day seminars.

In true Google fashion, when exploring the individual mindset and spreading the mindset into teams by spreading extra-curricular activities and implementing changes into the space, so it could better suit our needs. The space would come fully-stocked with a microkitchen, a conference room, an area to hold workshops, a maker's space, Chromebooks, VR equipment and more.



DESIGNING THE SPACE TOWARDS THE YOUTH





PROJECT

OPENTEXT

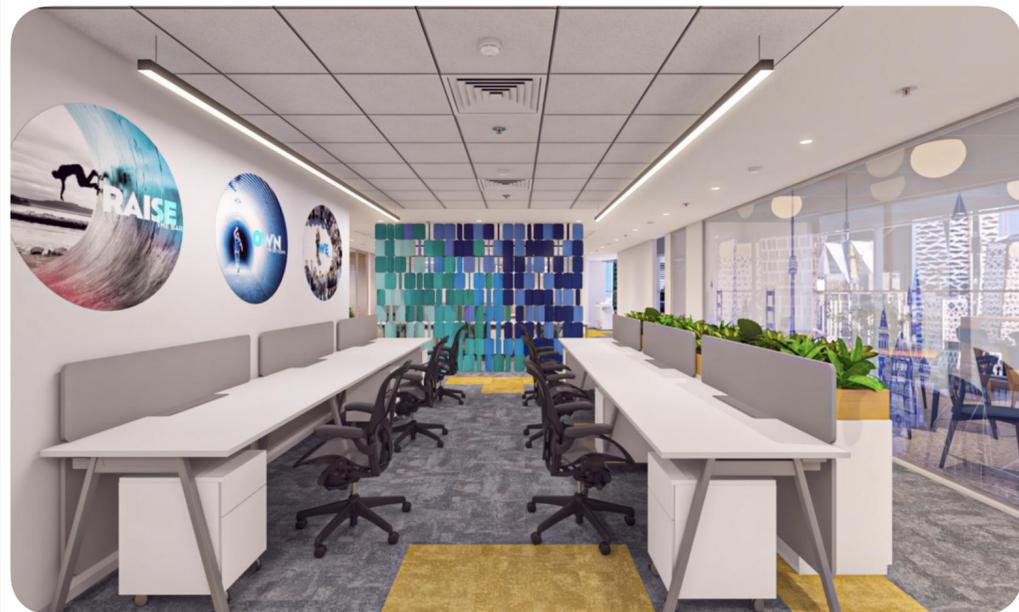
KING ABDUL FAHAD DISTRICT, RIYADH (SAUDI ARABIA) AREA : 12,800.00 SQ.FT



DATE

2024 - CURRENT

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGEMENT SERVICES



PROJECT

OPENTEXT

DUBAI INTERNET CITY (UNITED ARAB EMIRATES) AREA : 12,000.00 SQ.FT

DATE

2024 - CURRENT

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGEMENT SERVICES





The design concept used in this project was that each floor of Reliance will depict a particular state of India.

The cities thus chosen were – Rajasthan, Kerala, Goa, West Bengal, Kashmir, Gujarat, Andhra Pradesh, Maharashtra, and Tamil Nadu. This theme would be there depicted in the multiple collaboration spaces that are scattered all over the floor space.

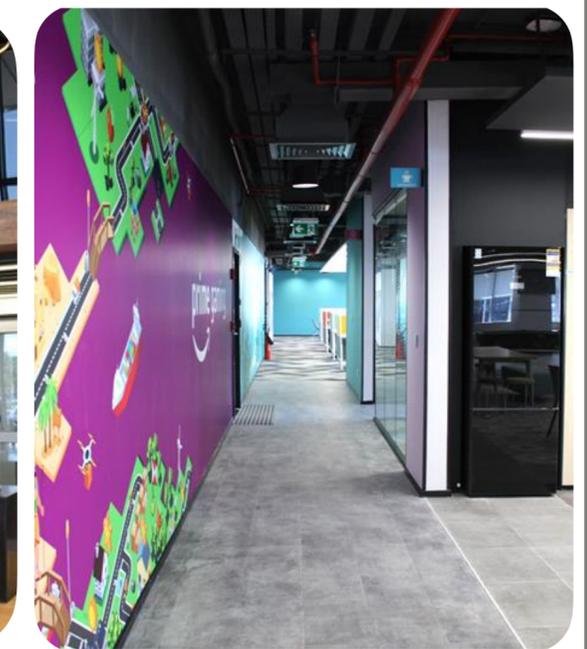
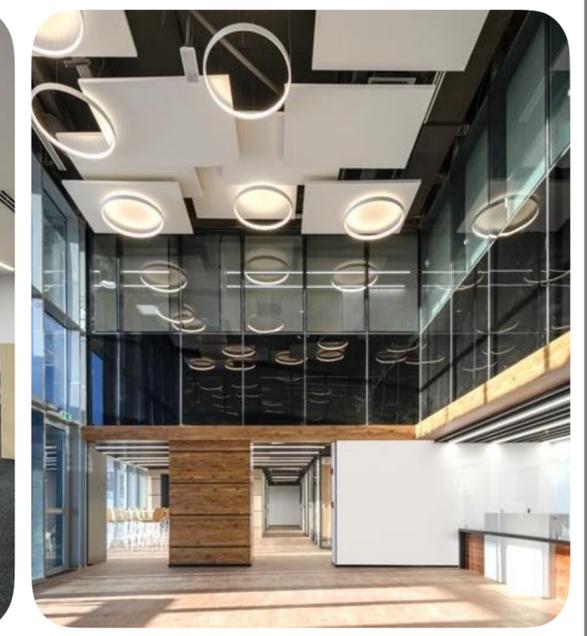
The rest of the work area would be simple and sophisticated with a color palette comprising of predominantly white and beige. Also the work area has open ceiling to maximize the volume and make this area appear more spacious.

PROJECT	RELIANCE JIO PROJECTS
MUMBAI, RELIANCE CORPORATE PARK TC22 + IMG RELIANCE (ONE BKC ) + PITCHES (INDIA) AREA : 1.35 MILLION SQUARE FEET	



DATE	2014 - 2015 , 2018 - 2019
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DESCRIPTION : LEAD DESIGNER
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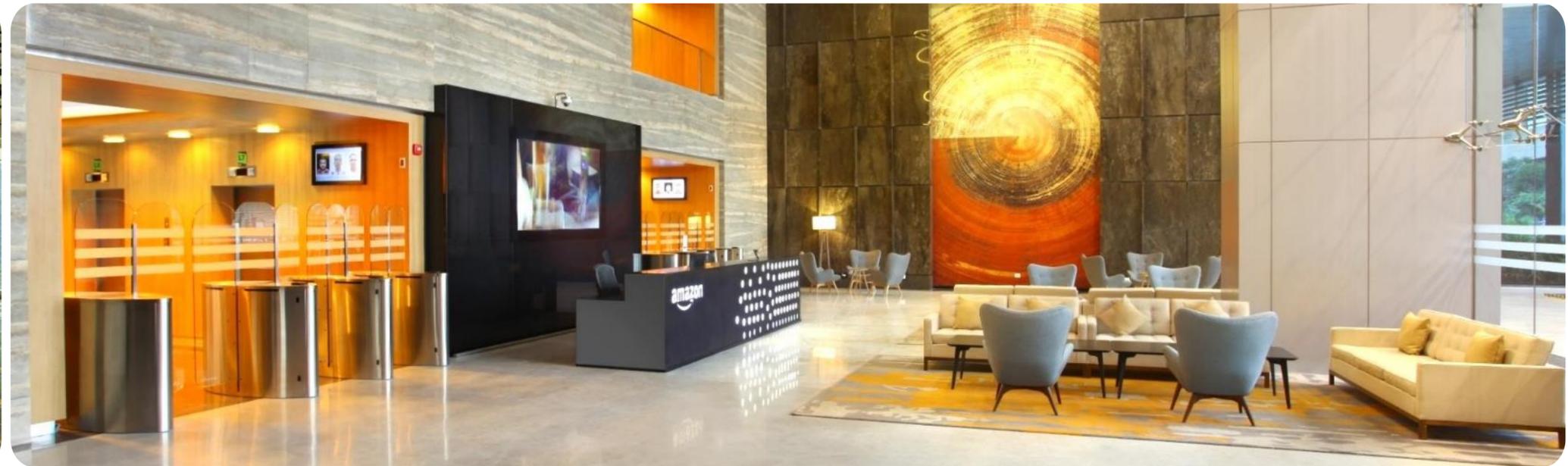
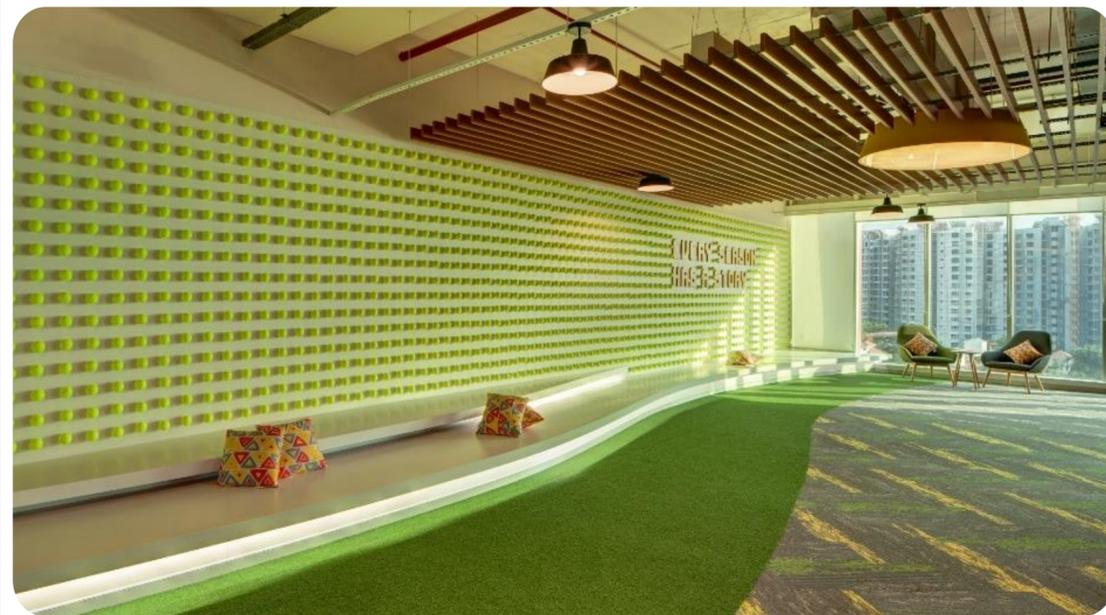
PROJECT **AMAZON CS CAIRO (EGYPT)**

CAIRO FESTIVAL CITY, EGYPT | AREA : (B+G+5) 132,000 SQFT

DATE **AUG 2020 - SEPTEMBER 2022**

DESCRIPTION : B+G+5 (LEAD DESIGN AND PROJECT MANAGEMENT)





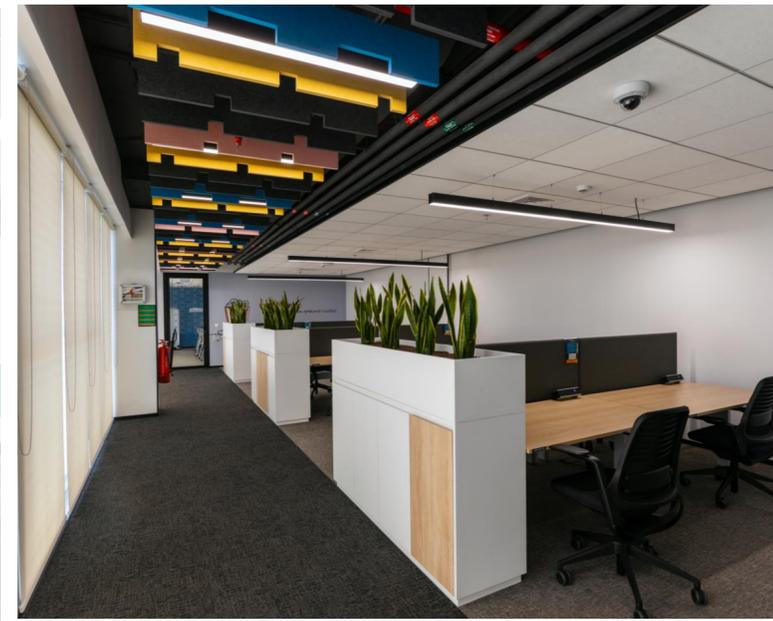
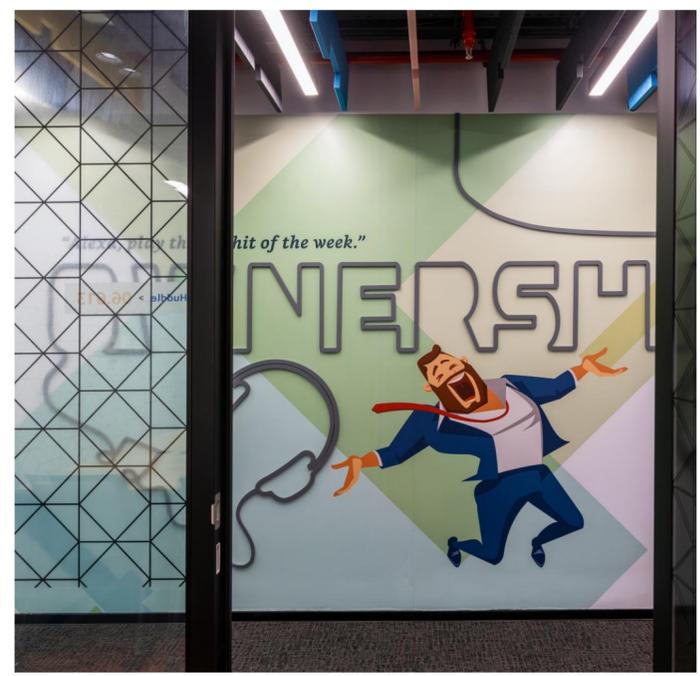
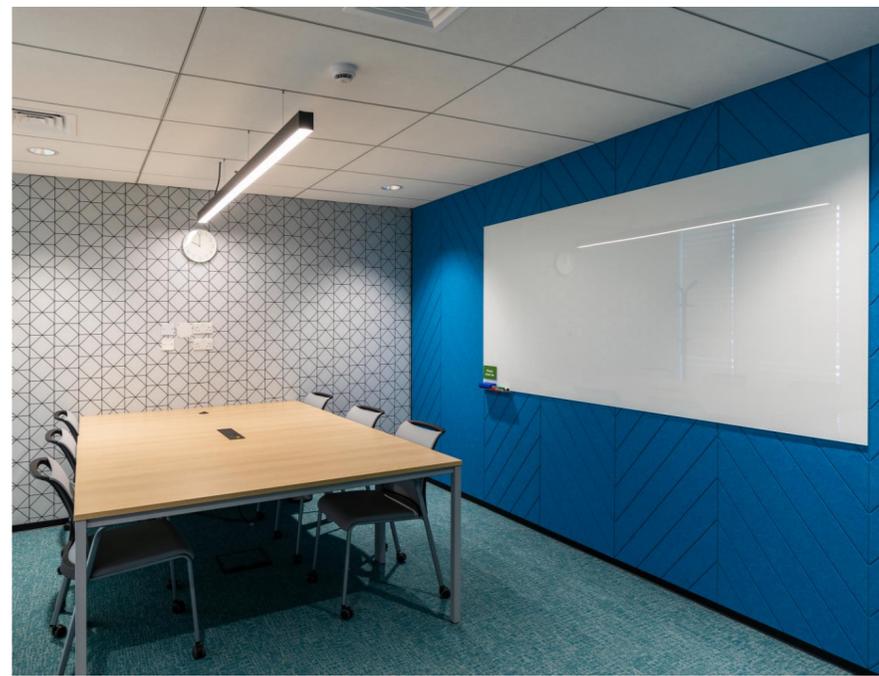
PROJECT **AMAZON PROJECTS**

HYDERABAD + MUMBAI + BANGALORE +CHENNAI + PUNE | AREA : 2.35 MILLION SQUARE FEET

DATE 2016 - 2022

DESCRIPTION : LEAD DESIGNER





Amazon is a young company and the brief that was given to us was to cater to a young and colourful crowd without leaving out the branding factor.

Scrums are an essential part of the amazon offices and each of them were made to look interesting- the look varies from walls that looked like amazon packages to spaces that has the feel of an Amazon shipping container.

The concept really helped in merging spaces of the office into one another seamlessly without much of an effort and we were able to deliver the same.

PROJECT

AMAZON 3P & RBS (JORDAN)

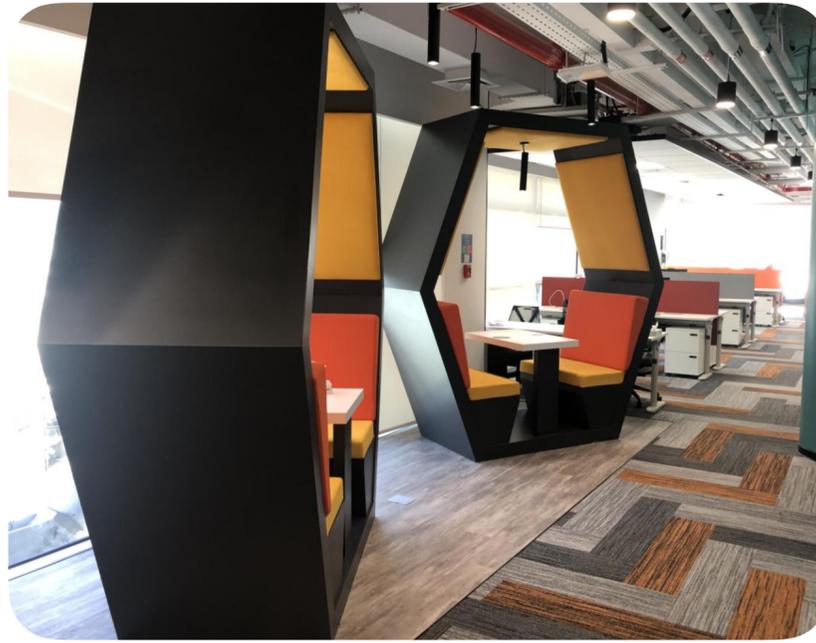
ABDALI BOULEVARD, JORDAN | AREA : 14,000 SOFT

DATE

NOV 2021 - APRIL 2022

DESCRIPTION : LEAD DESIGN AND PROJECT MANAGEMENT



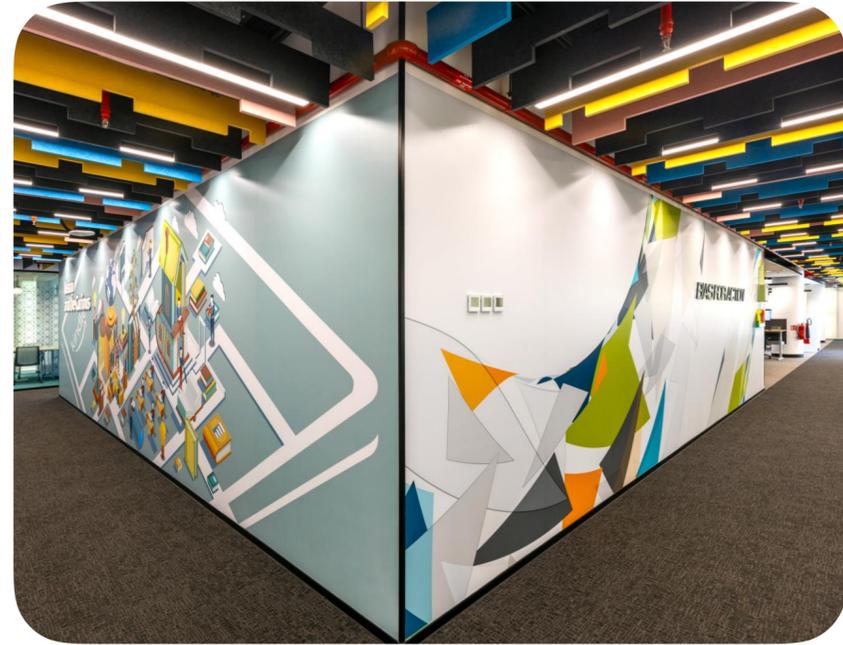
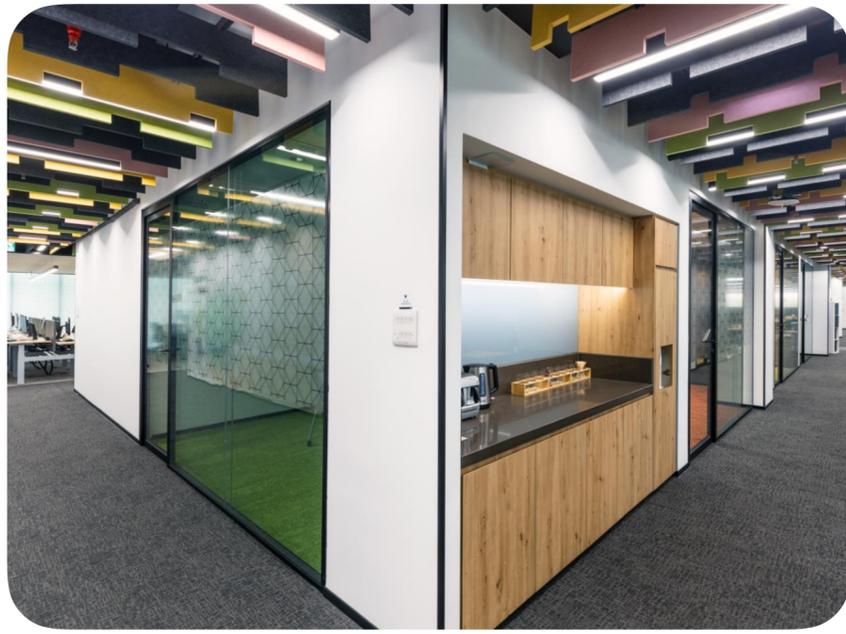
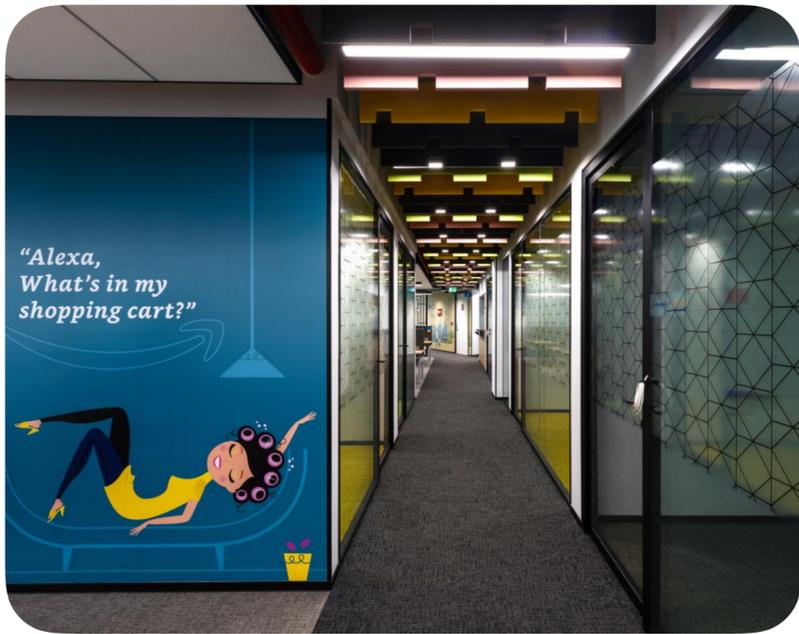


<p><b>PROJECT</b> AMM15 CS (JORDAN)</p>
<p>ABDALI BOULEVARD, JORDAN I AREA : 50,000 SQFT ( 2ND, 3RD, 4TH FLOOR)</p>



<p><b>DATE</b> OCT 2019 - AUGUST 2020</p>
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<p><b>DESCRIPTION :</b> LEAD DESIGN AND PROJECT MANAGEMENT</p>
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PROJECT **AMAZON ADS - ALEXA DEVELOPMENT SERVICES (JORDAN)**

ABDALI BOULEVARD, JORDAN | AREA : 30,000 SQFT



DATE **DEC 2021 - AUGUST 2022**

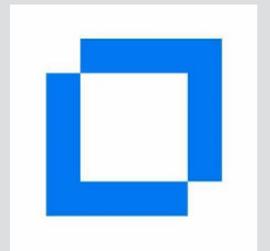
DESCRIPTION : **LEAD DESIGN AND PROJECT MANAGEMENT**



**PROJECT**

**MICRO FOCUS MIDDLE EAST (UNITED ARAB EMIRATES)**

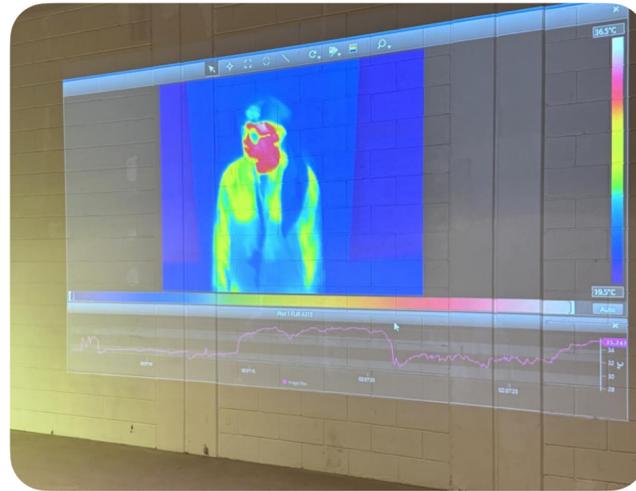
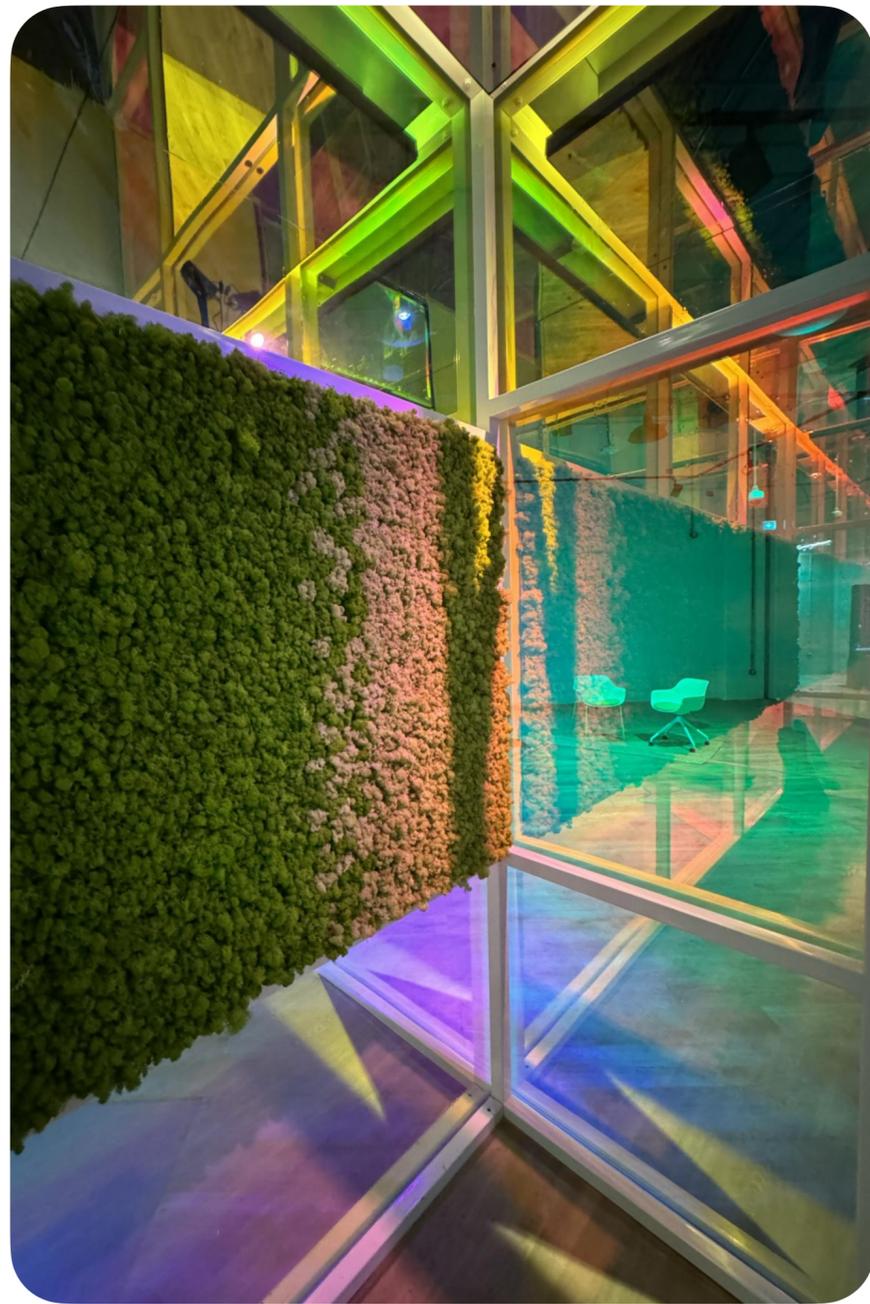
**DUBAI INTERNET CITY, UNITED ARAB EMIRATES | AREA : 7840.00 SQFT**



**DATE**

**OCT 2022 - JAN 2023**

**DESCRIPTION : DESIGN & BUILD, PROJECT MANAGEMENT SERVICES**



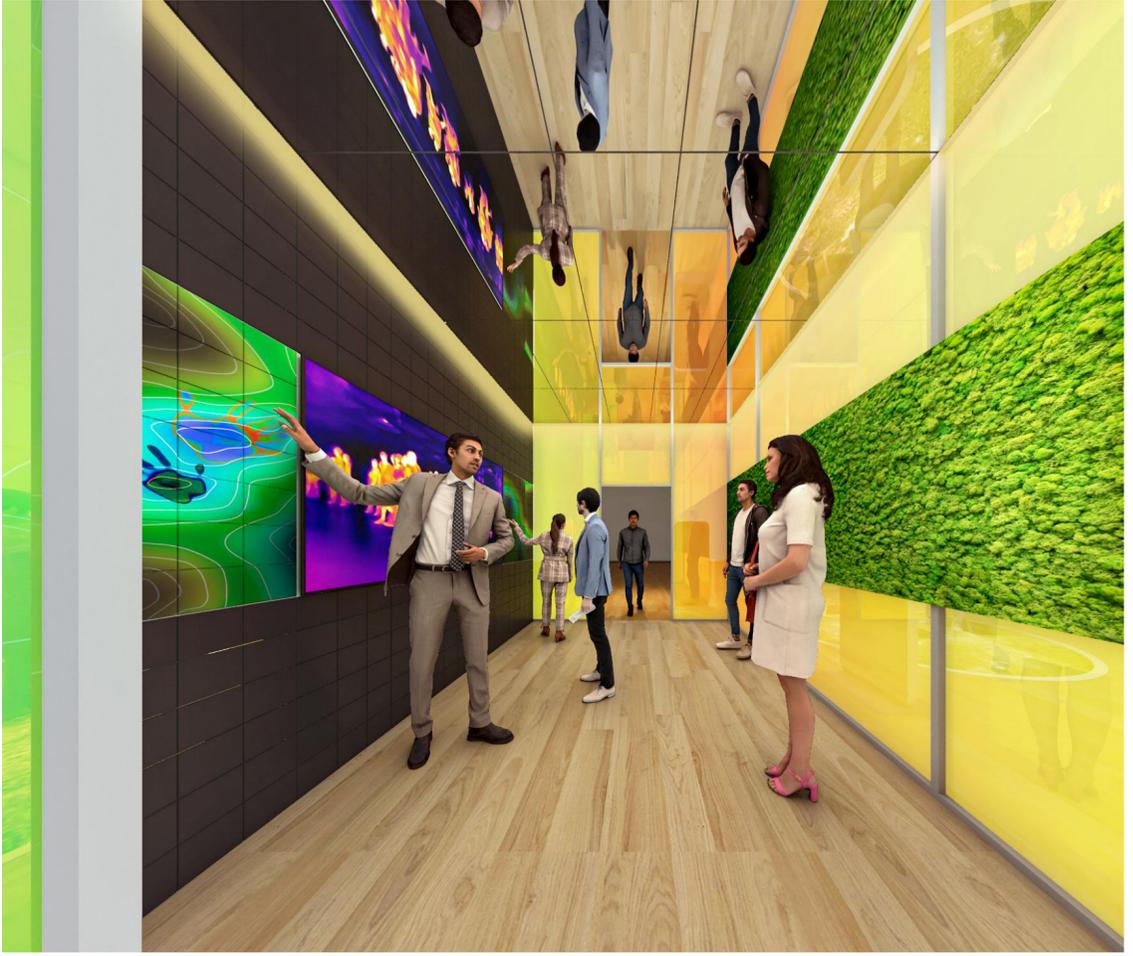
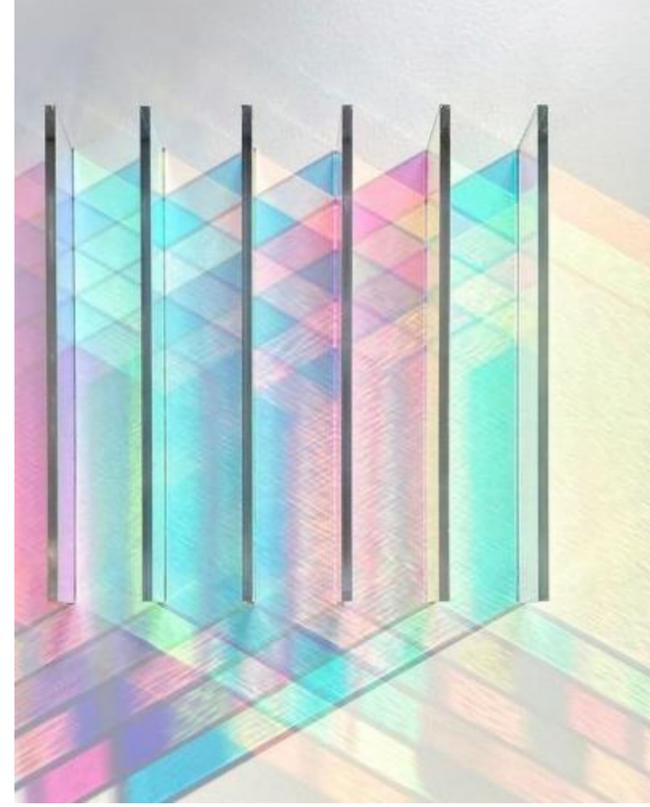
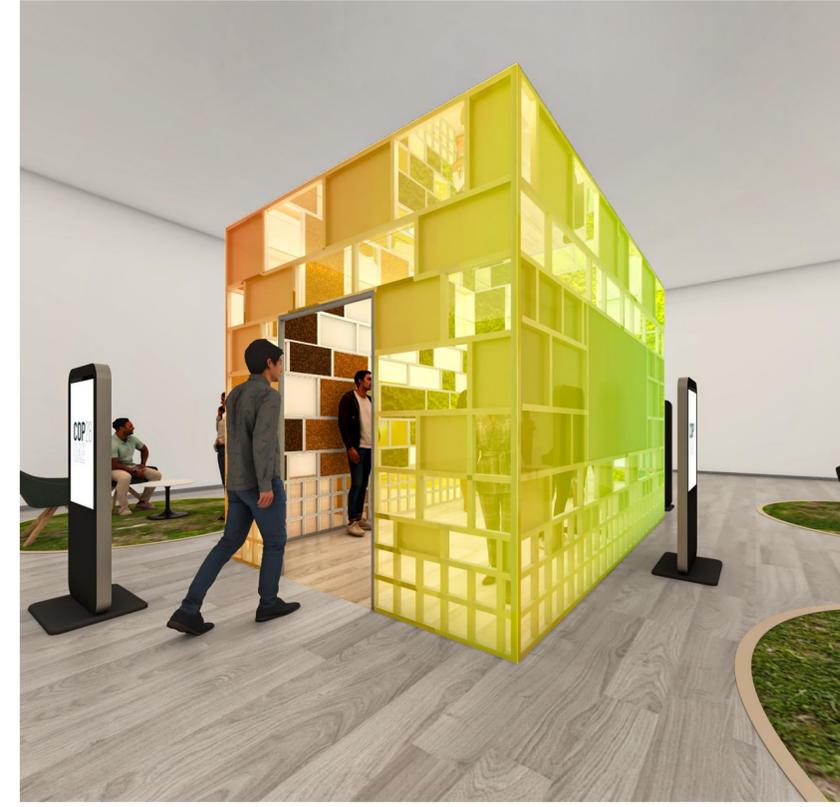
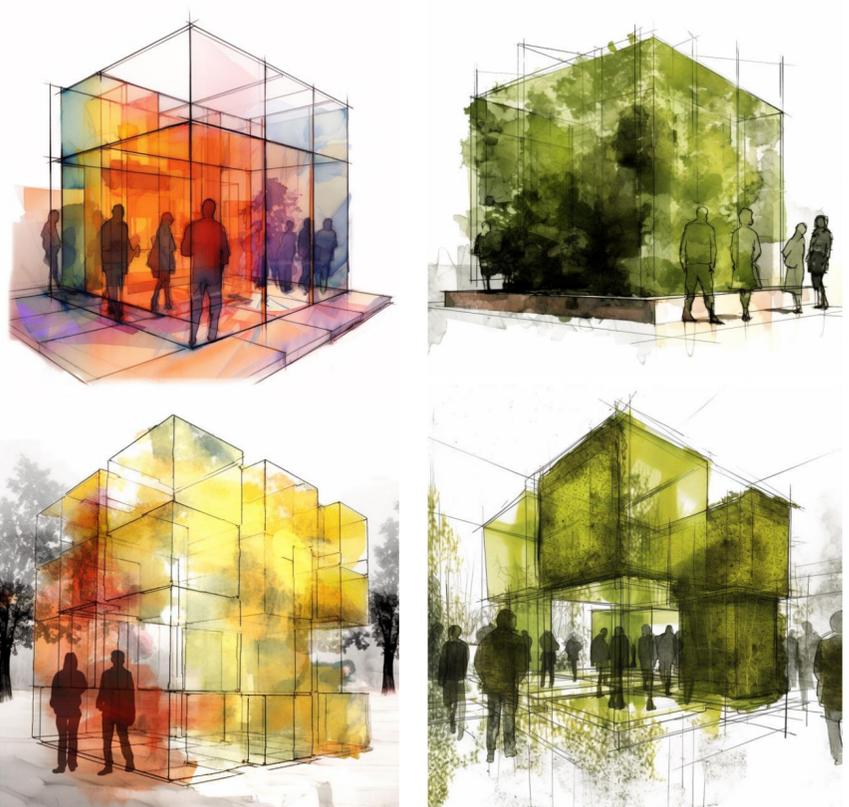
PROJECT COP 28 UAE | EXPO CITY (UNITED ARAB EMIRATES)

SUSTAINABILITY, EXPO CITY, DUBAI



DATE NOV - DEC 2023

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGEMENT SERVICES FOR NATIONAL MEDIA OFFICE

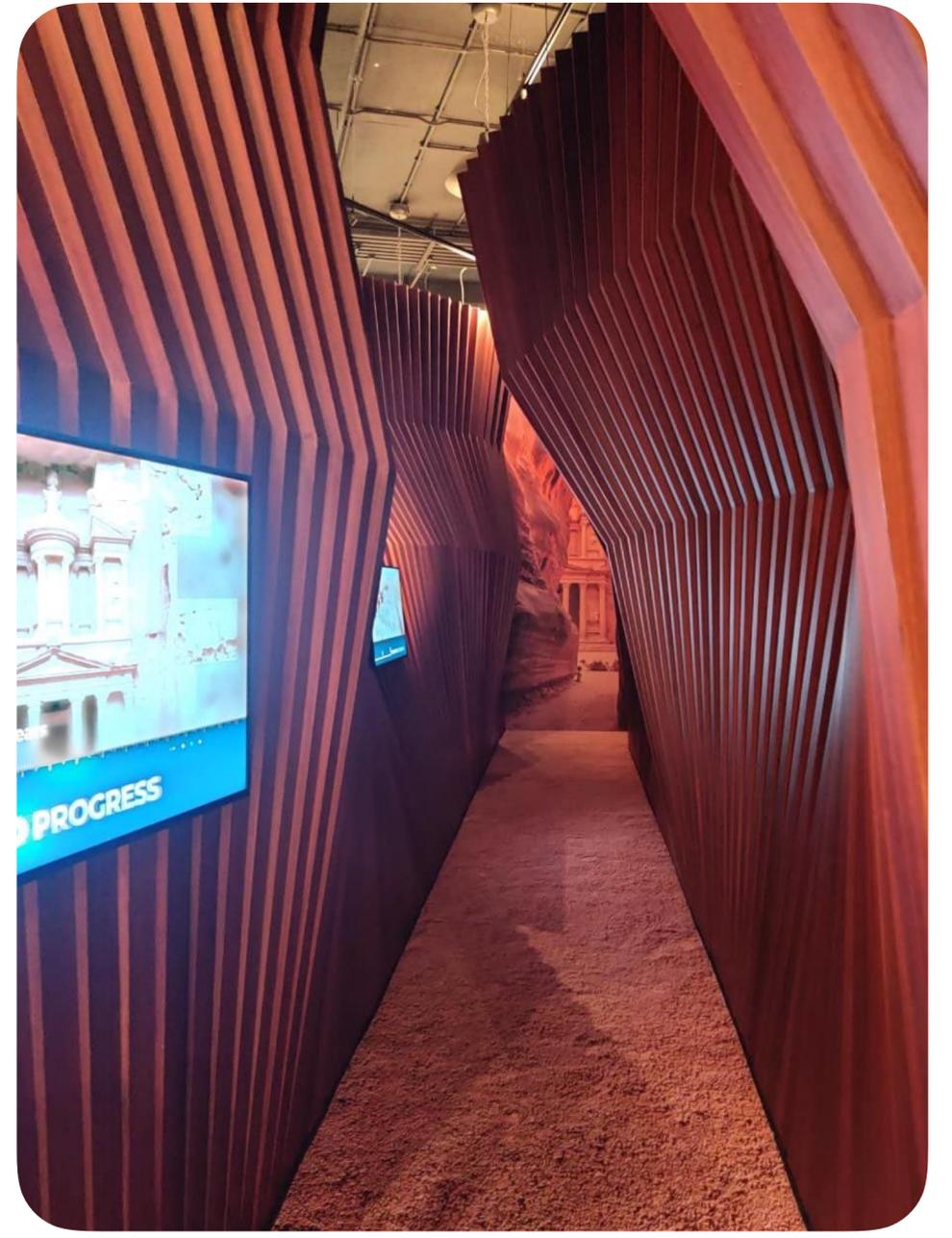
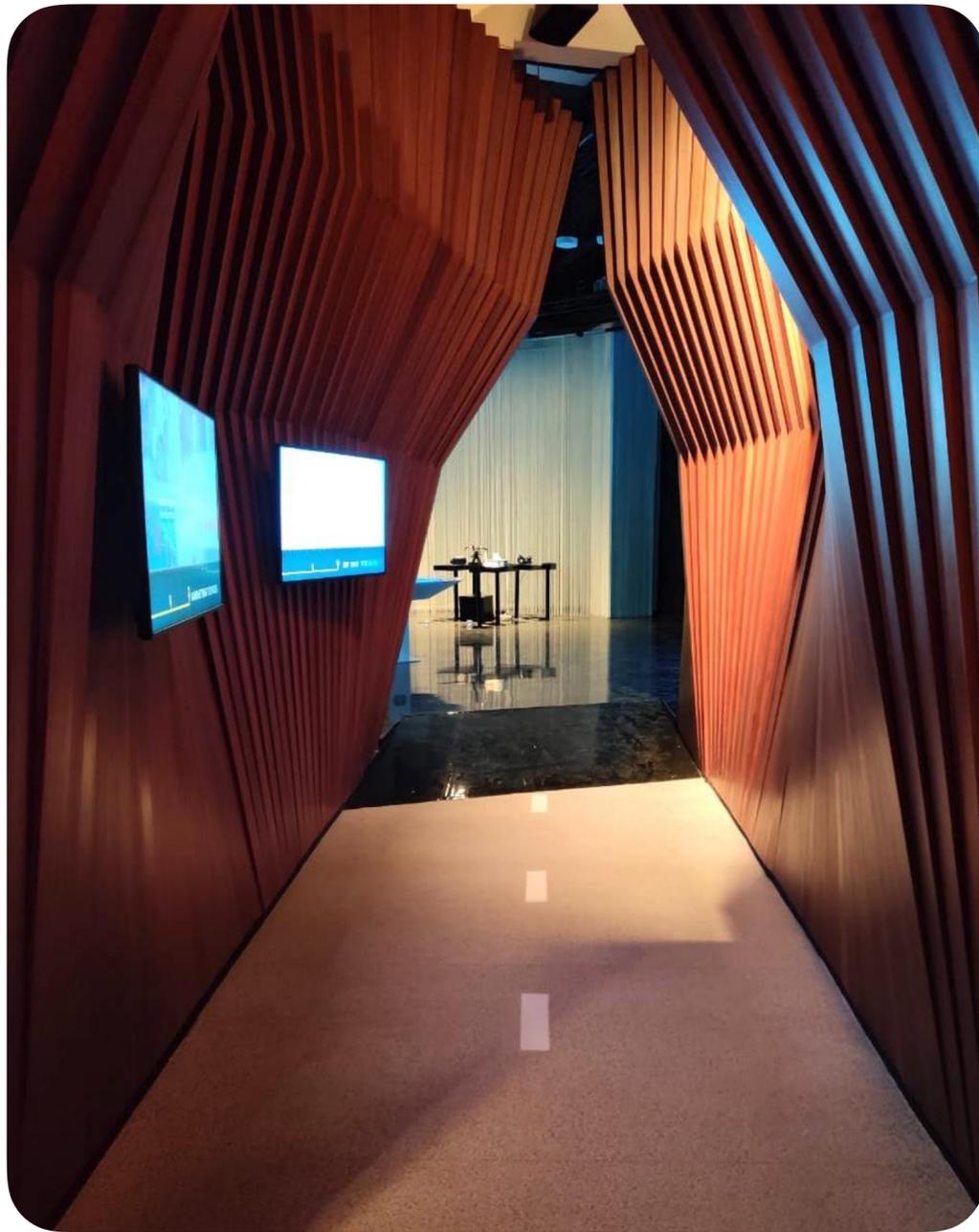
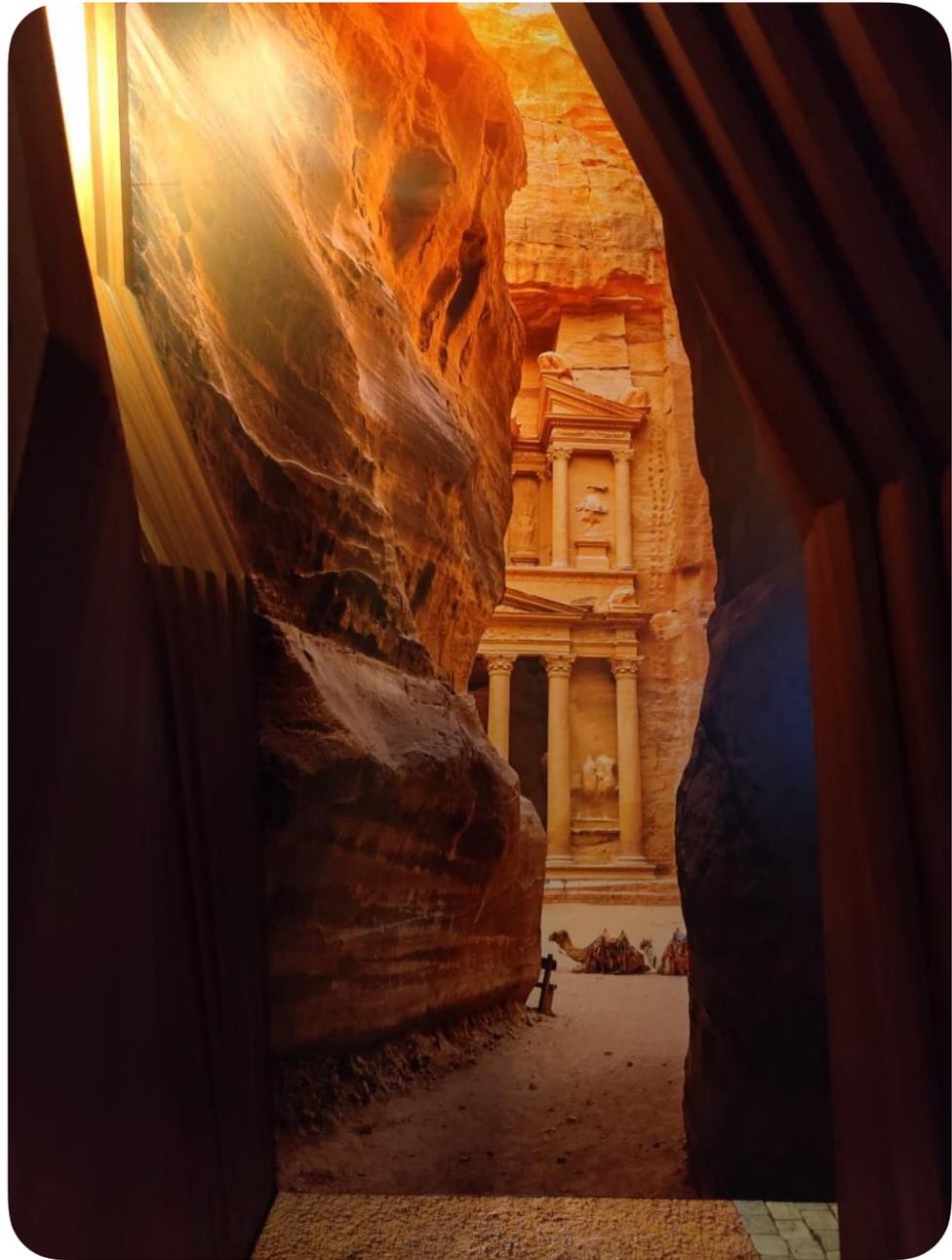


A heat map is a living document which records the energy that is generated by individual buildings, vehicles and the surrounding area such as roads – anything that emits heat and energy.

If this thermal pollution can be monitored, then measures can be taken to limit it, but, at present, there is limited technology to gain an in-depth understanding of where the heat is coming from to trigger these heat islands.

This will also help to facilitate the concept of sustainable or green finance which refers to a financial asset class that has positive environmental outcomes that are absolutely verifiable. These investments should reduce pressures on the environment, address greenhouse gas emissions and tackle pollution, minimize waste by improving efficiency in the

use of natural resources.



**PROJECT**

**EXPO 2020 JORDAN PAVILLION (UNITED ARAB EMIRATES)**

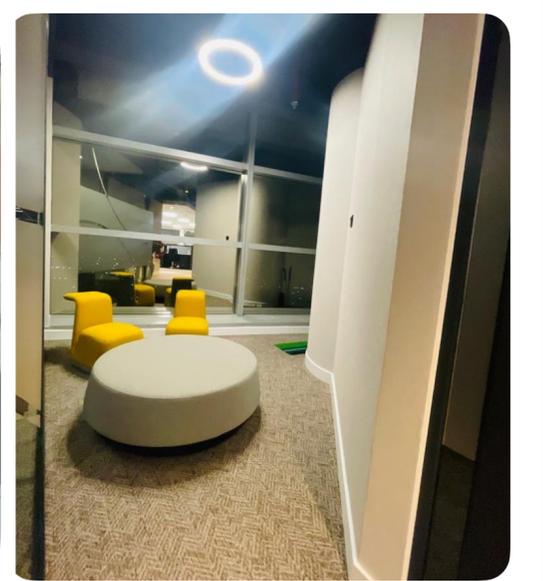
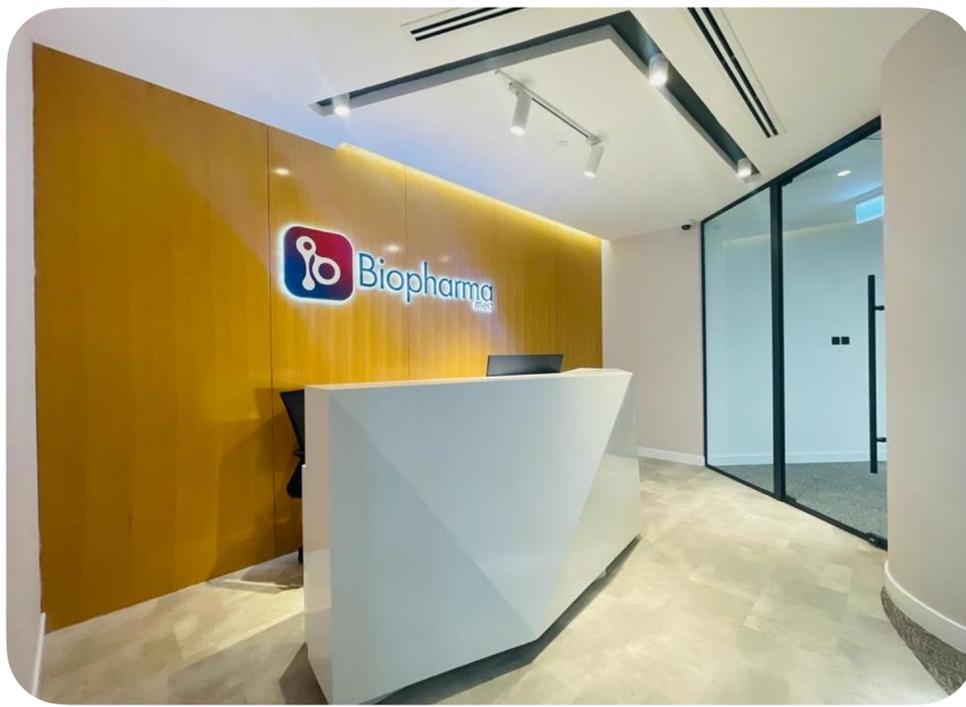
**JORDAN PAVILION, EXPO CITY, DUBAI**



**DATE**

**SEP - DEC 2021**

**DESCRIPTION : DESIGN & BUILD FOR THE EXPO 2020 EXPERIENCE, JORDAN PAVILION**



PROJECT

BIO PHARMA MIDDLE EAST (UNITED ARAB EMIRATES)

DUBAI, UNITED ARAB EMIRATES | AREA : 8900.00 SQFT



DATE

2022

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGEMENT SERVICES



Conceptualising the idea of the workplace design as it is evolving even faster that prioritizes human beings, Wellness, and flexibility. As we see an increased focus on health and wellbeing in all aspects of our lives,

Biophilic design can also be used as a tool for companies to make employees not just physically healthy but mentally happy. This can be achieved in part through the use of natural materials as active design elements, promoting outdoor experiences indoors, encouraging physical movement, improving indoor air quality, and offering an abundance of natural light.

Therefore, a human-centric workplace approach implemented in proposed design.



PROJECT

PARSONS | MEA (UNITED ARAB EMIRATES)

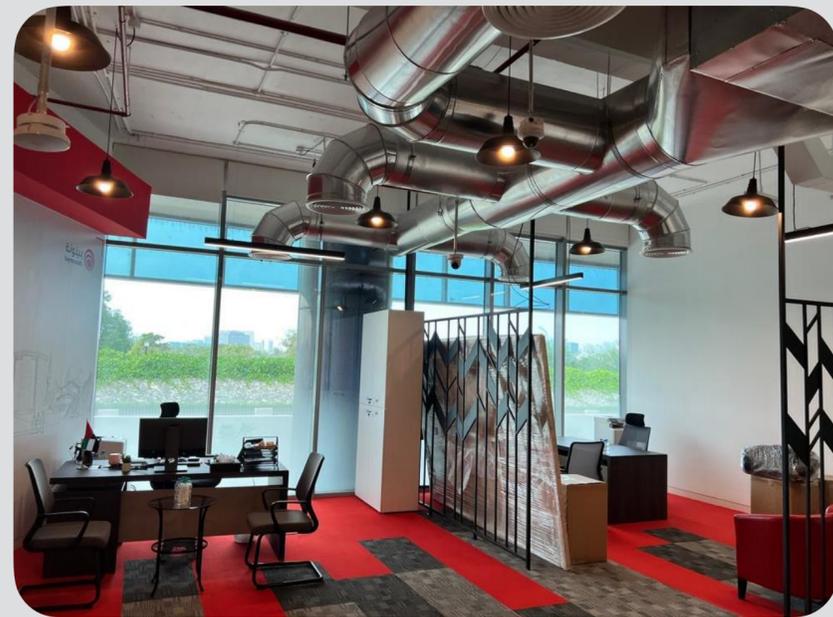
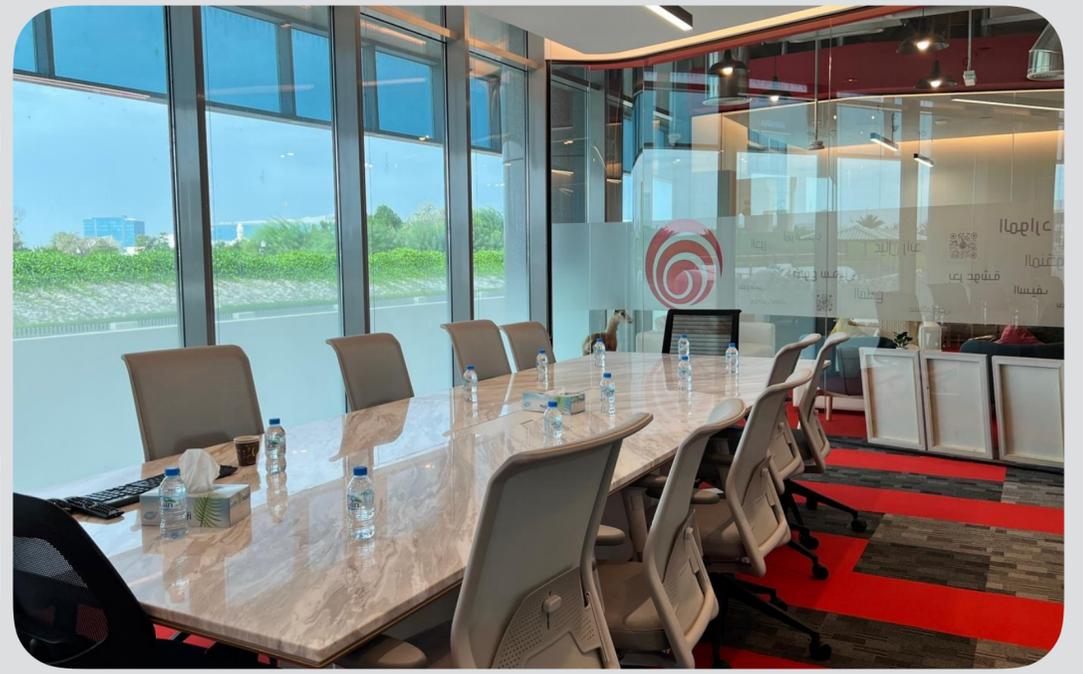
ZAYED CITY, ABU DHABI | AREA : 47,500.00 SQFT



DATE

2025

DESCRIPTION : LEAD DESIGNER



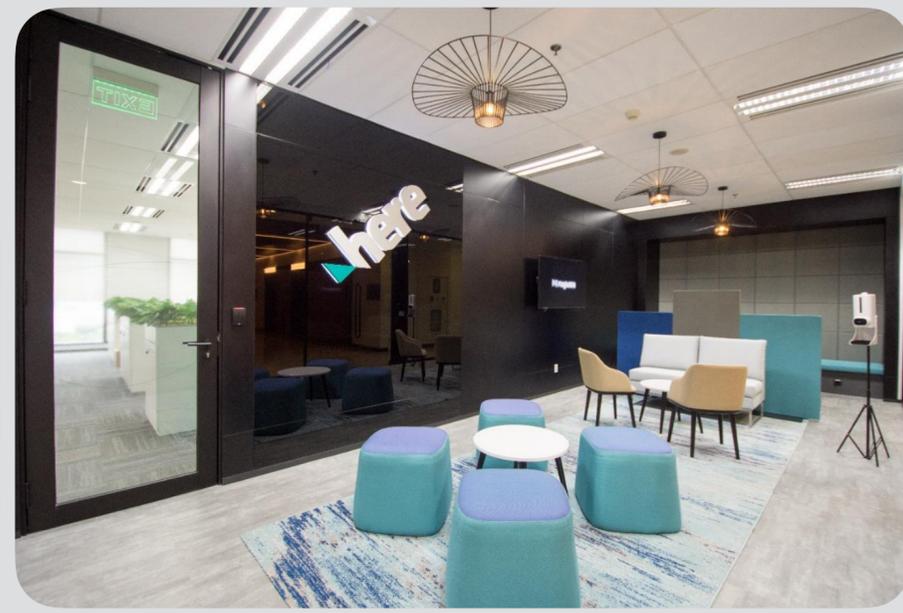
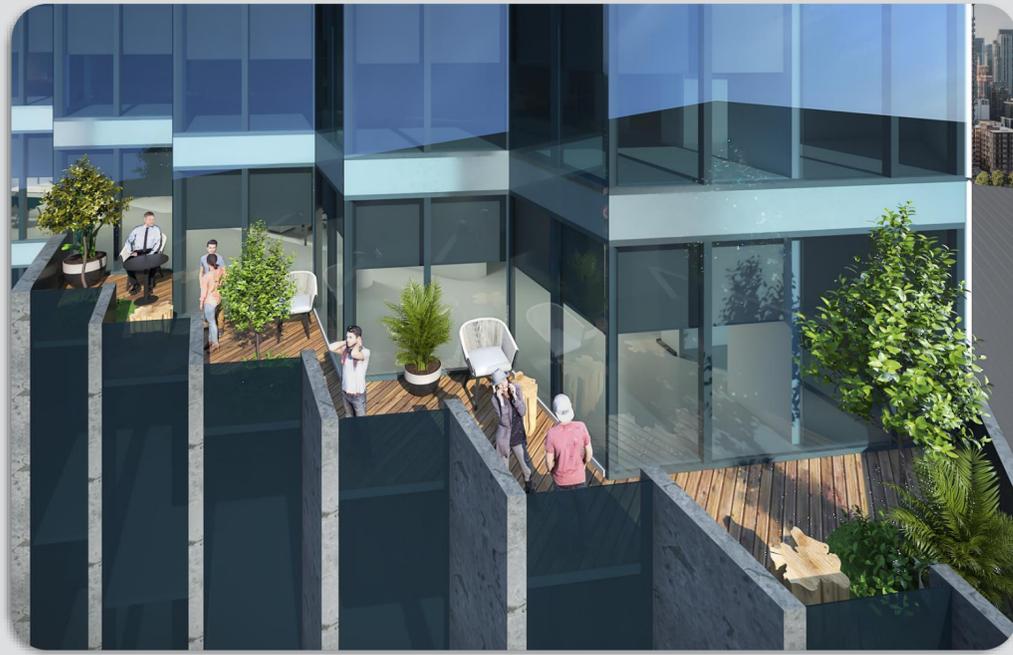
PROJECT ABU DHABI MEDIA – BAYNOUNAH MEDIA TV (UNITED ARAB EMIRATES)

TWOFOUR54, ABU DHABI | AREA : 7100.00 SQFT



DATE NOV 2022 - JAN 2023

DESCRIPTION : DESIGN & BUILD, PROJECT MANAGEMENT SERVICES



Across multiple locations, the design has stuck to its vibrancy palette and tone , however keeping the local culture vibe representation across the office.

From exposed ceilings to experimenting with bold colours across the office, we were able to continue the fluidity of movement in the work space such that the movement breaks horizontal barriers, and dynamic movement that leads to interaction and sense of community



**PROJECT**    **HERE TECHNOLOGIES PROJECTS**

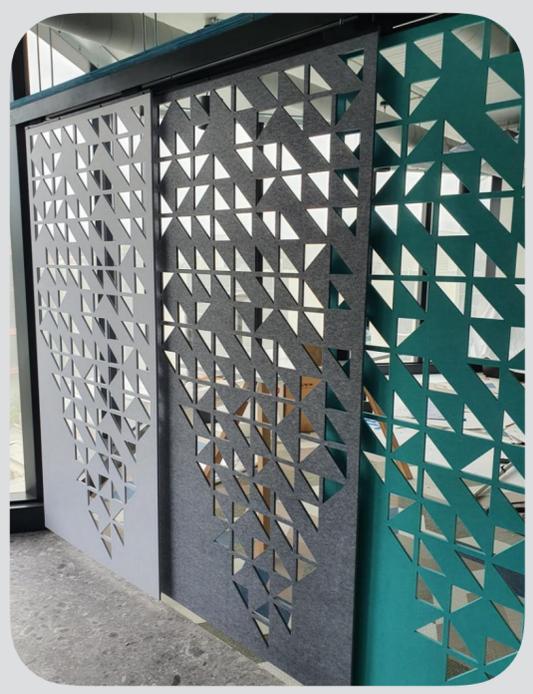
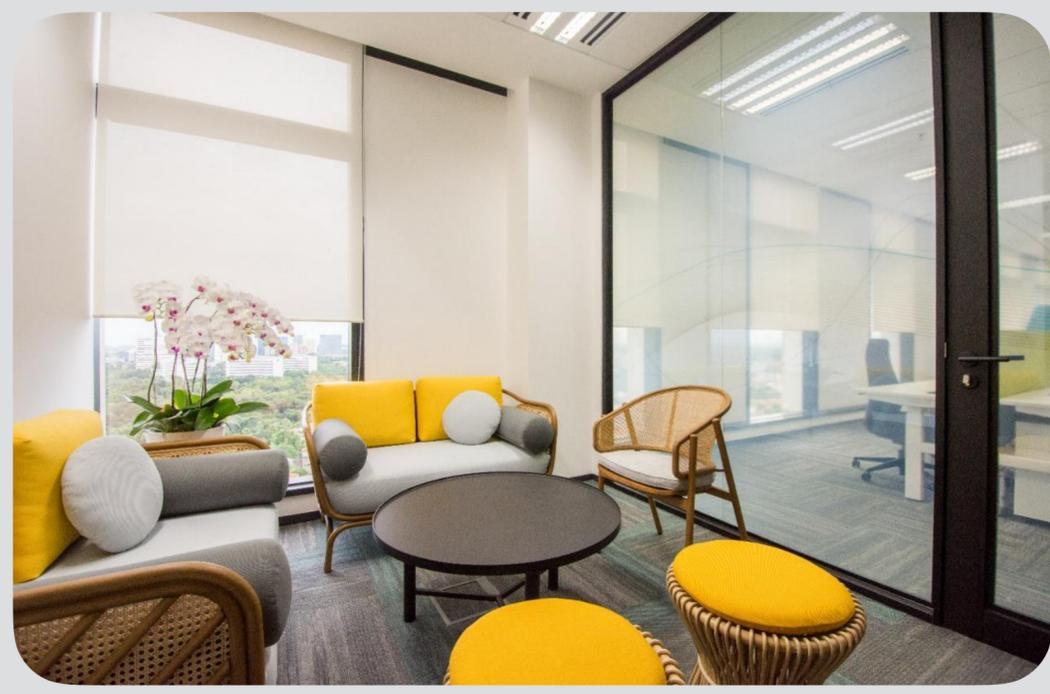
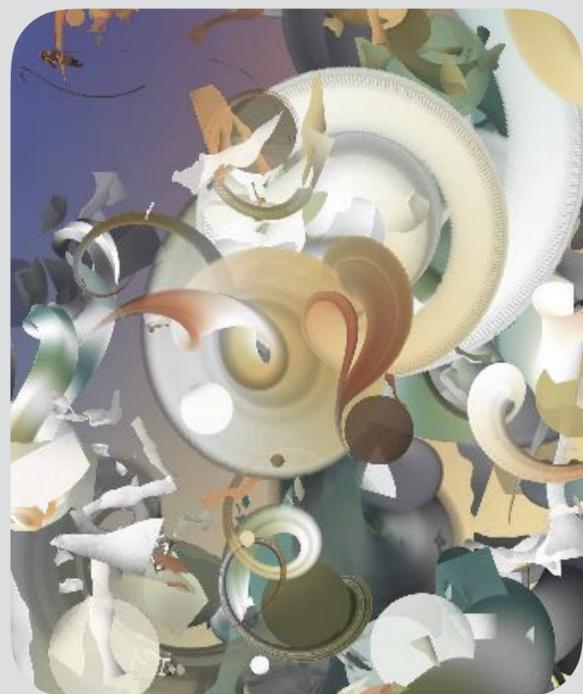
**JAKARTA** (INDONESIA) + **MELBOURNE** (AUSTRALIA) + **BANGALORE** | **AREA : 50,000 SQUARE FEET**

**DATE**    2016-CURRENT

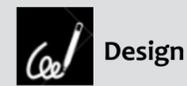
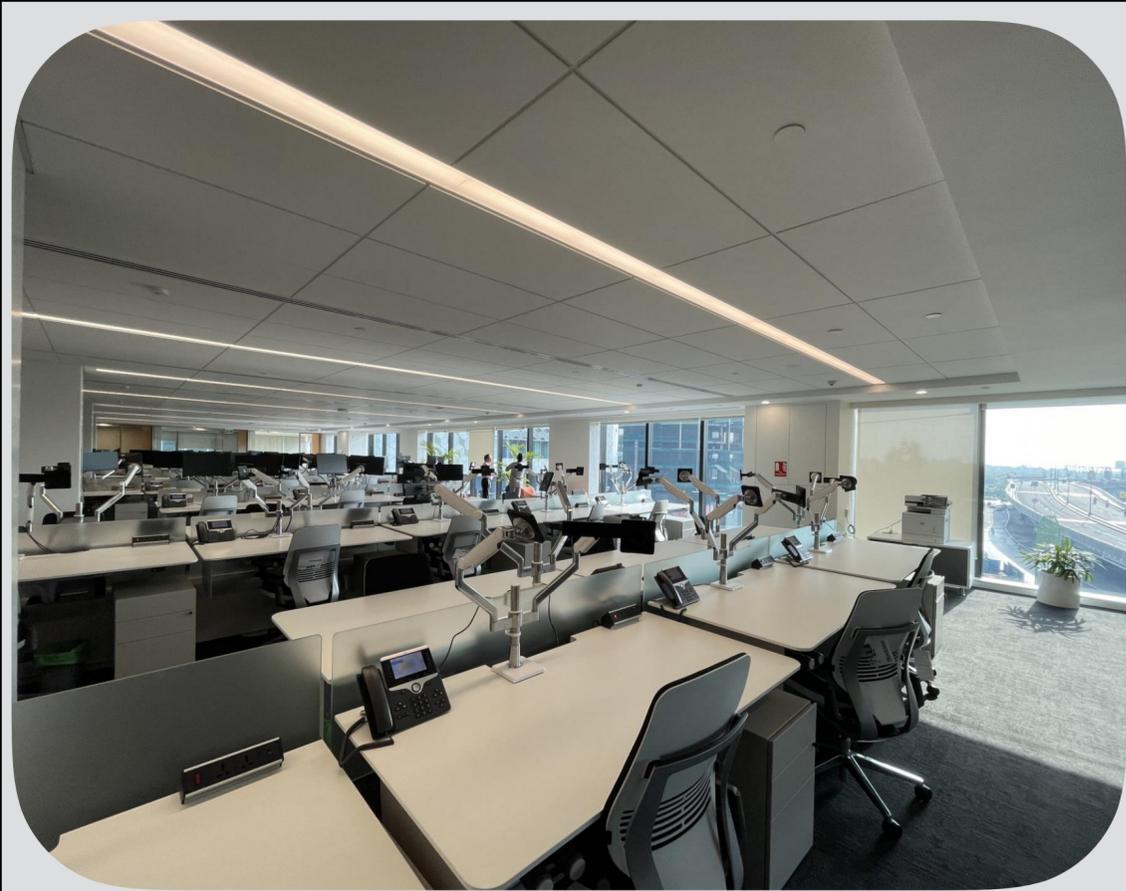
**DESCRIPTION : LEAD DESIGN AND PROJECT MANAGEMENT**



-  Design
-  Design Intelligence
-  Lighting Design
-  Acoustic Design
-  Graphic Design
-  Sustainability and Wellness



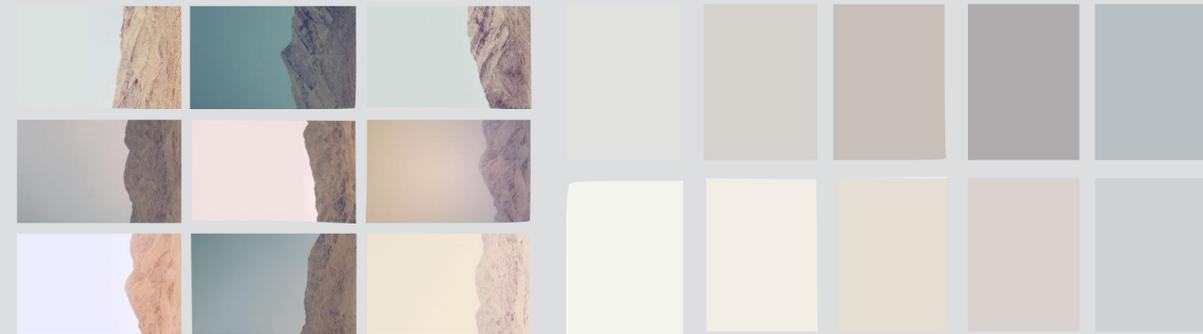




The approach to this client was more in line and tone with the existing setups in Canada. The materiality the design finishes was more muted and welcoming to the eye. Our usage of sliding folding systems throughout the office made the space very functional.

We had taken this project into different stages - from design to complete design and build upon direct coordination with entire team in Canada & UK who were overlooking our design and planning.

The concept really helped in merging spaces of the office into one another seamlessly without much of an effort and we were able to deliver the same.



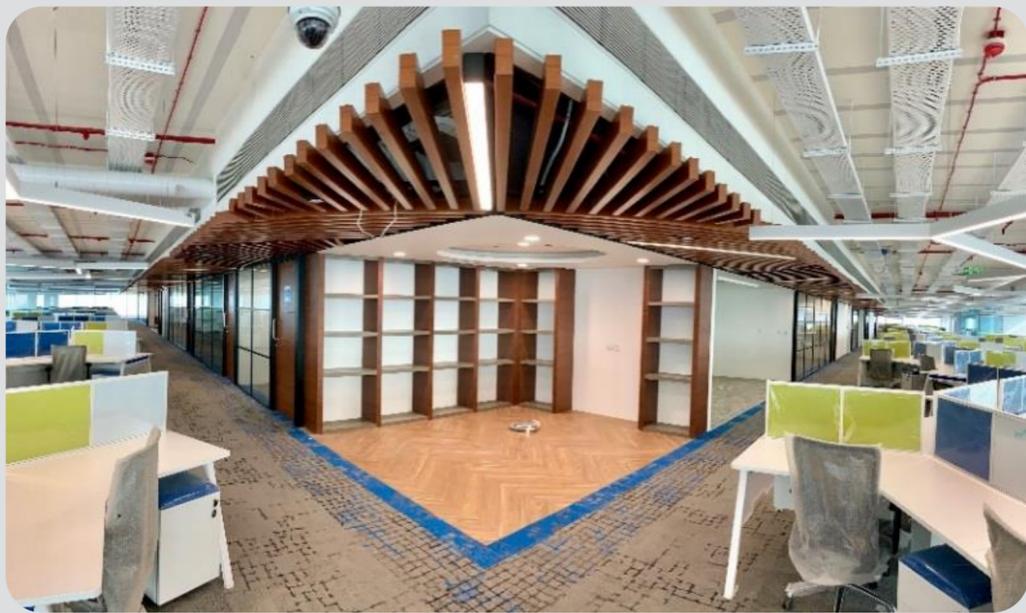


This office was designed in a way which reflects the youthful spirit employees bring to a working space for startup of Reliance new projects .

An addition to this space is a touch of luxury and celebrity status that brings a visual sense of importance and feel good class.

A visualization of the office that is designed with futuristic models, and equipped with the atmosphere of the living environment & technology with blend of nature & colors.

Double height office space & flowing design was the highlight of the project.



PROJECT

RISE WORLDWIDE (INDIA)

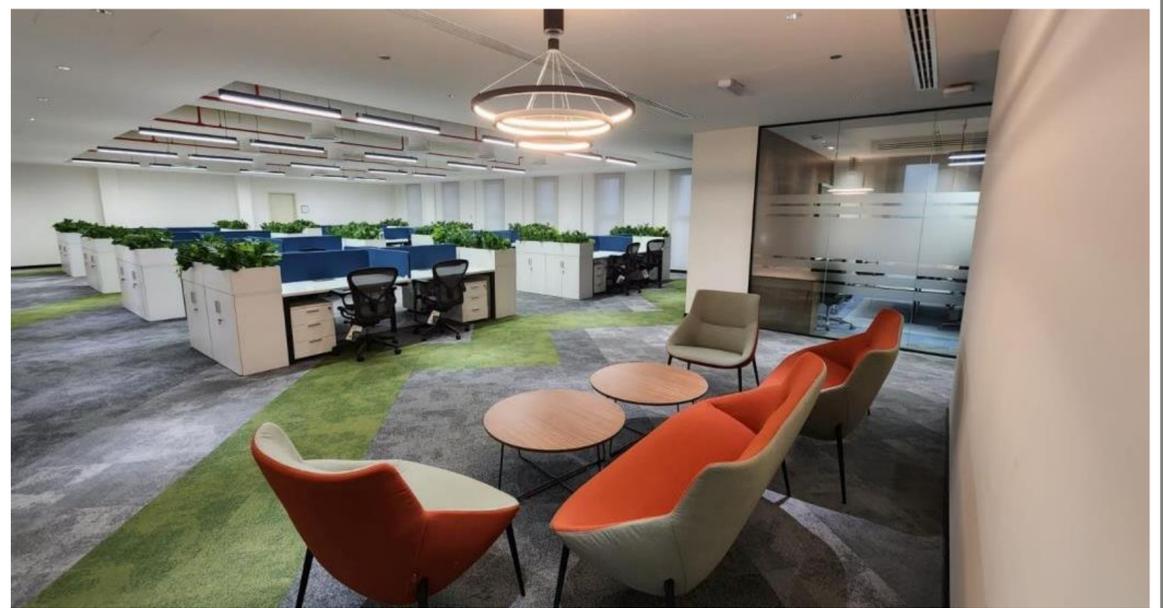
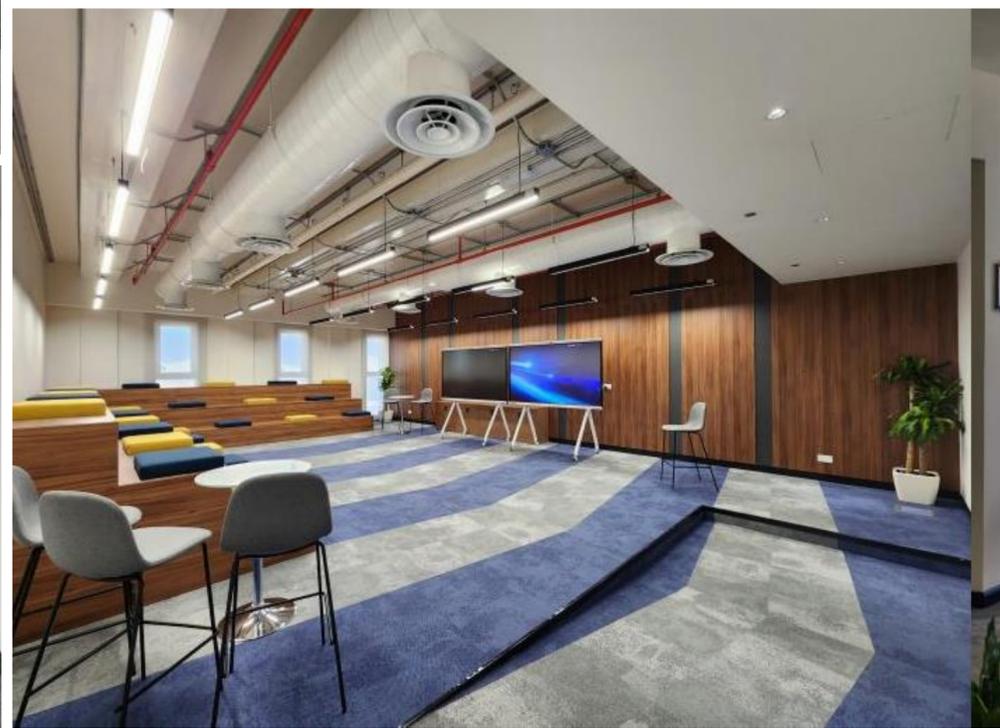
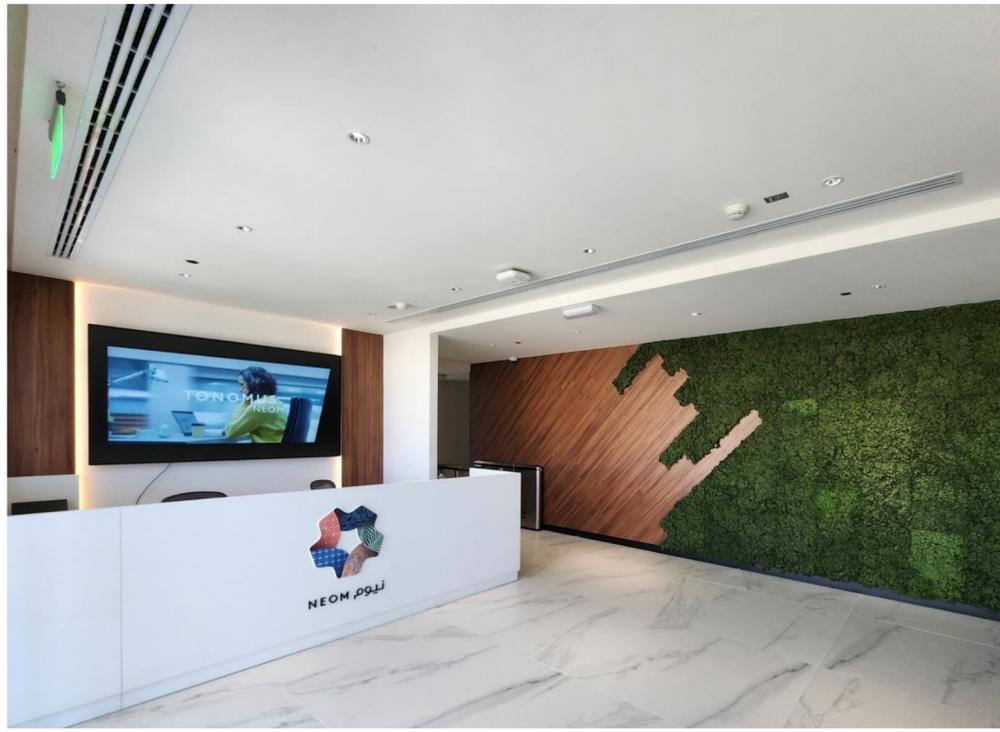
MUMBAI | AREA : 100,000 SQFT

DATE

2018 - 2019

DESCRIPTION : LEAD DESIGNER

**RISE**  
Worldwide



PROJECT

NEOM TELCO PARK (SAUDI ARABIA)

NEOM CITY, AREA : 2B+G+M+3 60,000.00 SQFT



DATE

2023 – CURRENT

DESCRIPTION : LEAD DESIGN AND PROJECT MANAGEMENT



The office is designed with fluidity concept in workspace that runs throughout the office, We represent the office which is Inspired by nature It contains non-classified systems of order as it will be a random mix of interesting floating elements, the fluidity of space could transform based on forms created which adapts into functional spaces.

The spaces created are for both natural and technological means.

An interesting floor plan is laid out in such a way that Individuals would have the freedom to move freely through each zone, sometimes multiple zones at once



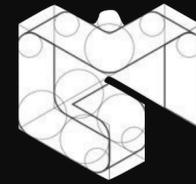
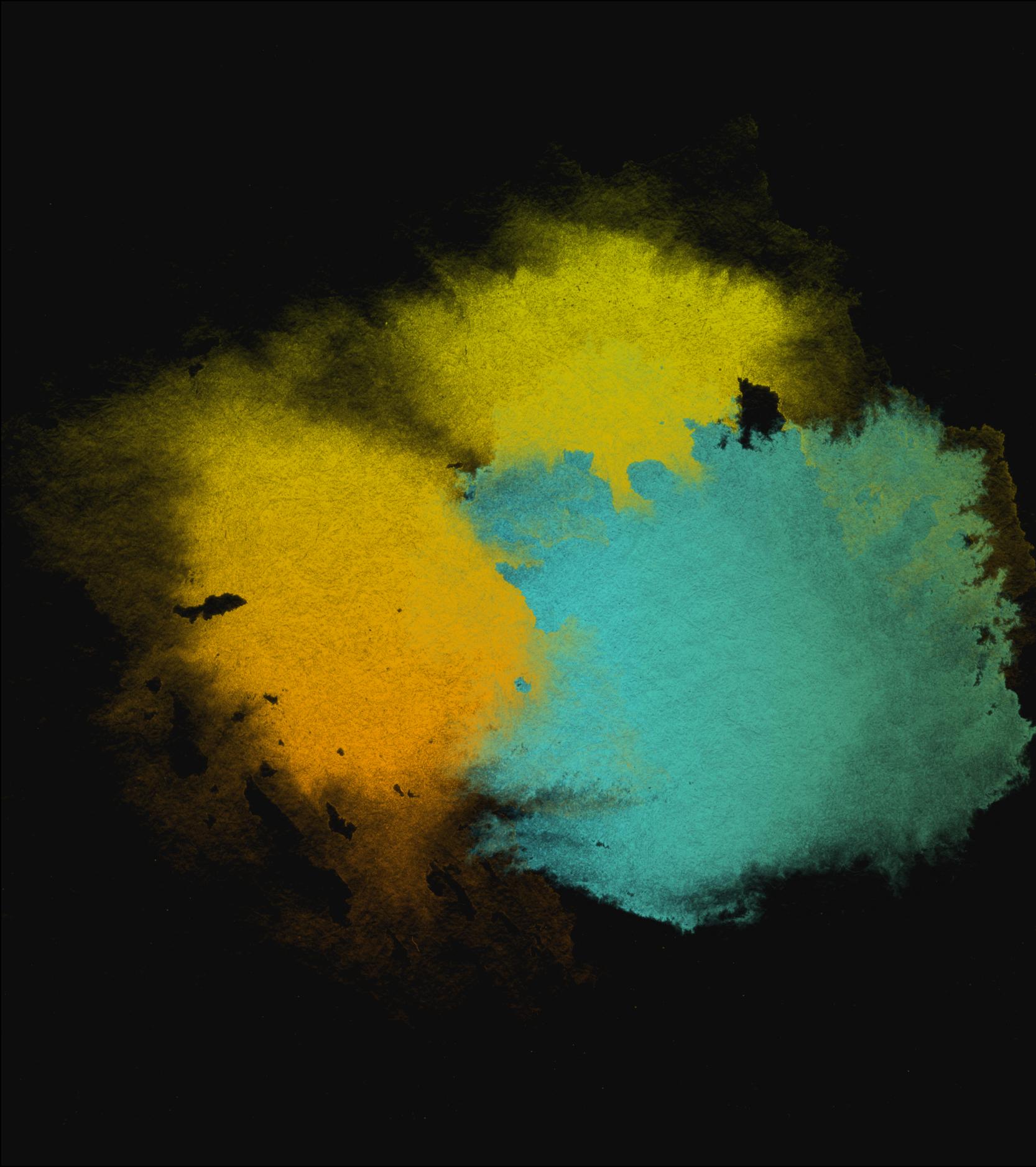
PROJECT MICHELIN (INDIA)

PUNE I AREA : 172,500 SQFT



DATE 2018-2019

DESCRIPTION : LEAD DESIGN AND PROJECT MANAGEMENT SERVICES



## Stage Four : The Concept and Design Methodology

DESIGN METHODOLOGY AND CONCEPT STAGES APPROACH



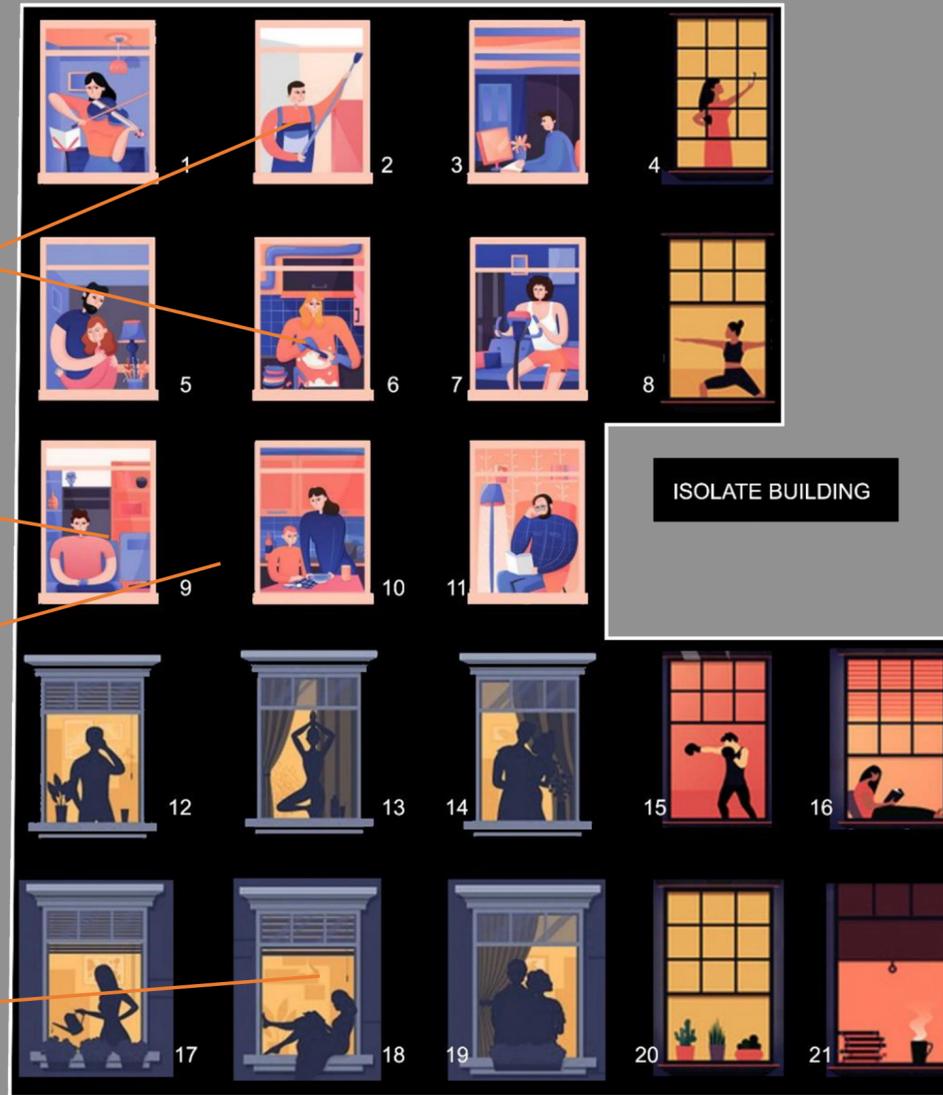


**A GUIDE TOWARDS JUST A FEW  
CONCEPTUAL IDEAS**



**INDIVIDUALITY**

The office is not going to disappear, but it will require a fresh, new approach. People will still need places where they can come together, connect, build relationships, and develop their careers. The size, scale, and openness of the modern office can be detrimental to the quality of those relationships.



**INDIVIDUAL ATTRIBUTES AND STRENGTHS**

**CONCEPT DEVELOPMENT**

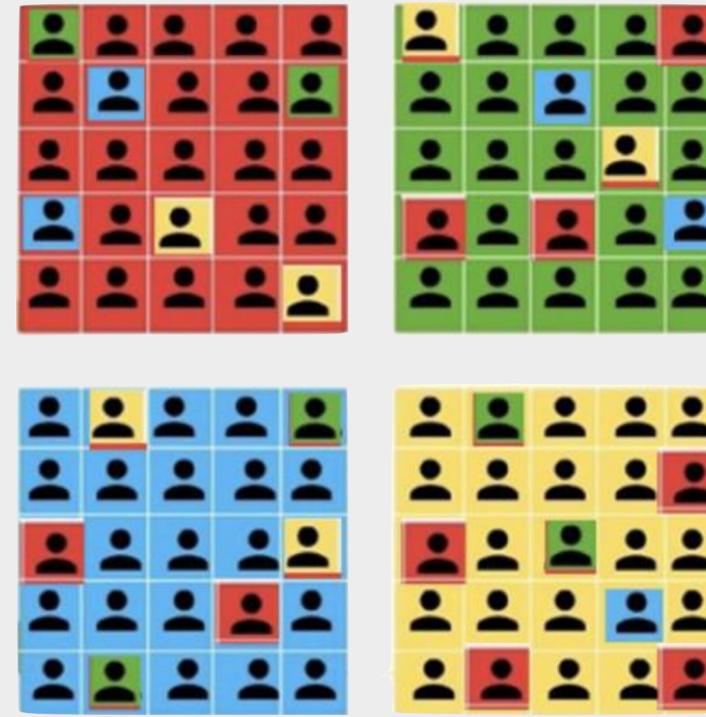
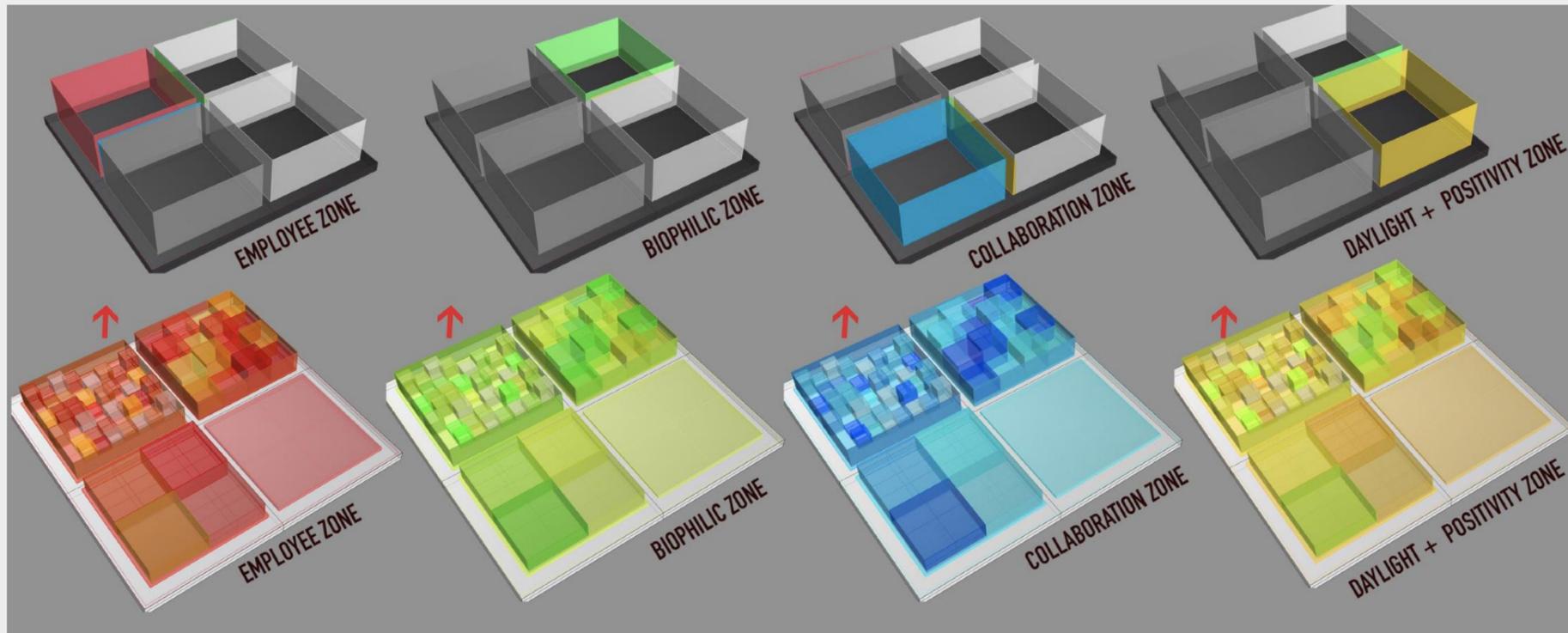


EVENTS : SHARING INDIVIDUALITY

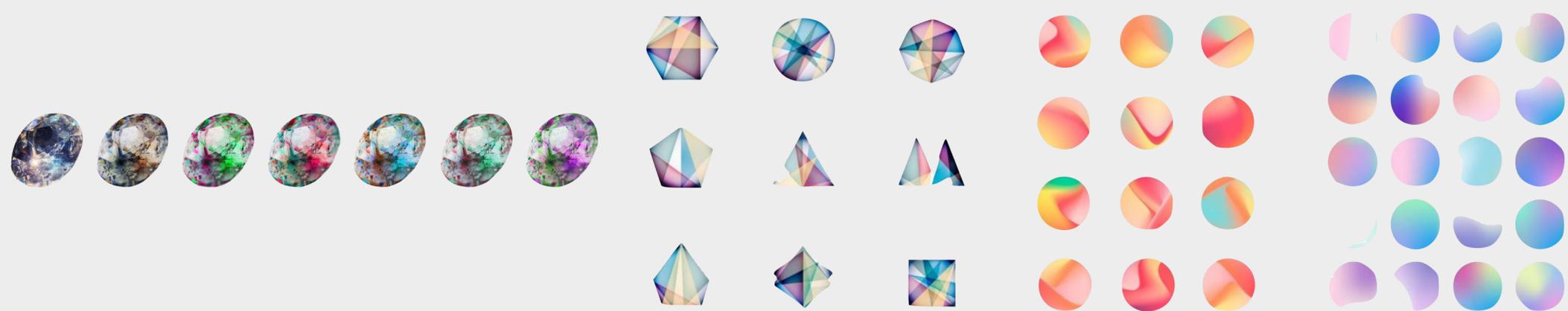
**UNITING THE STRENGTHS**

Mixing business offices with amenities such as event spaces, restaurants, and gyms within commercial buildings would allow these sectors to complement rather than compete with one another

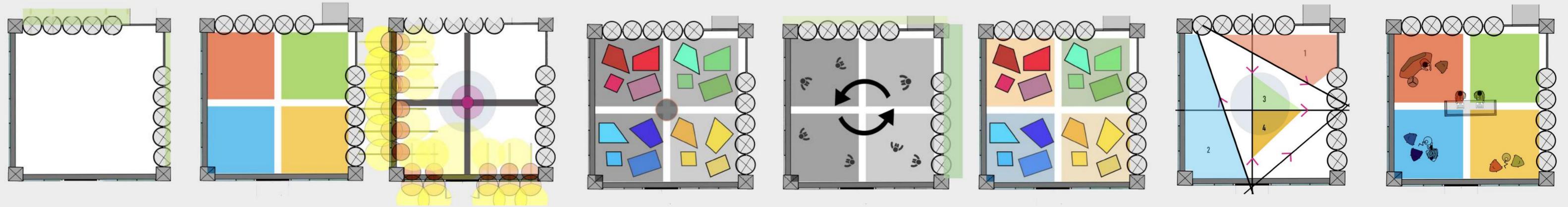
# A DESIGN STUDY OF HUMAN BEHAVIOUR



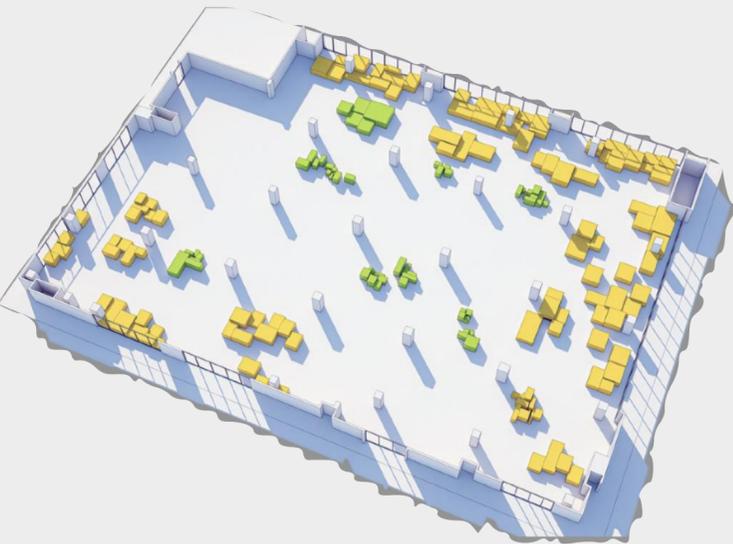
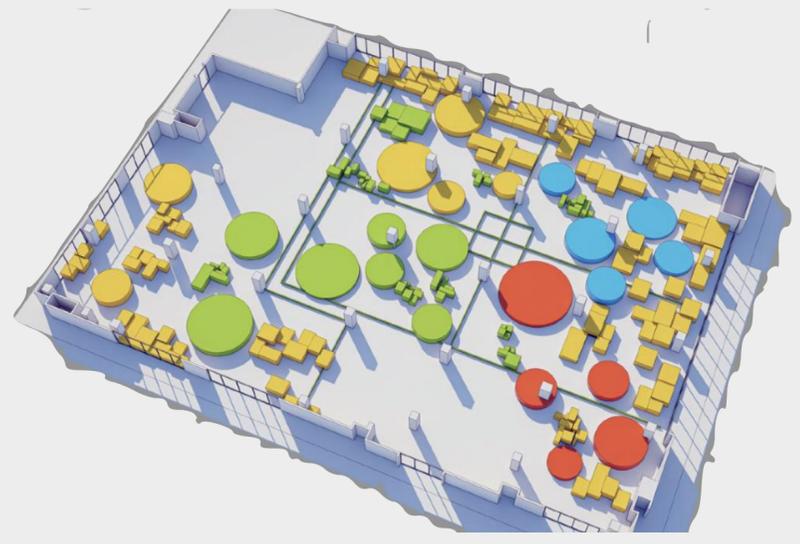
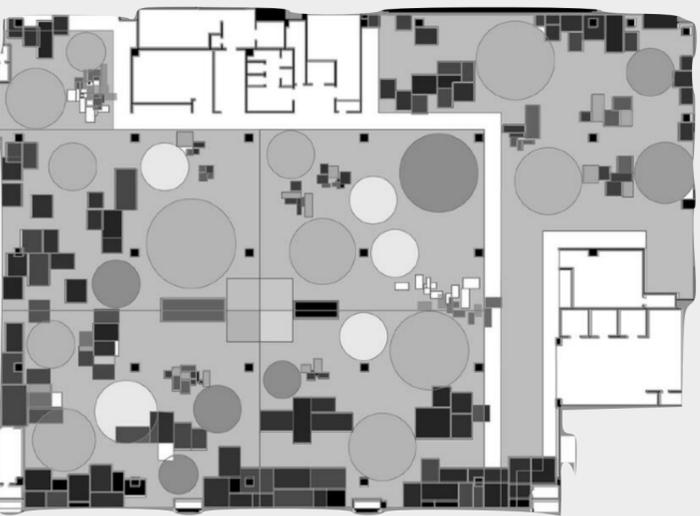
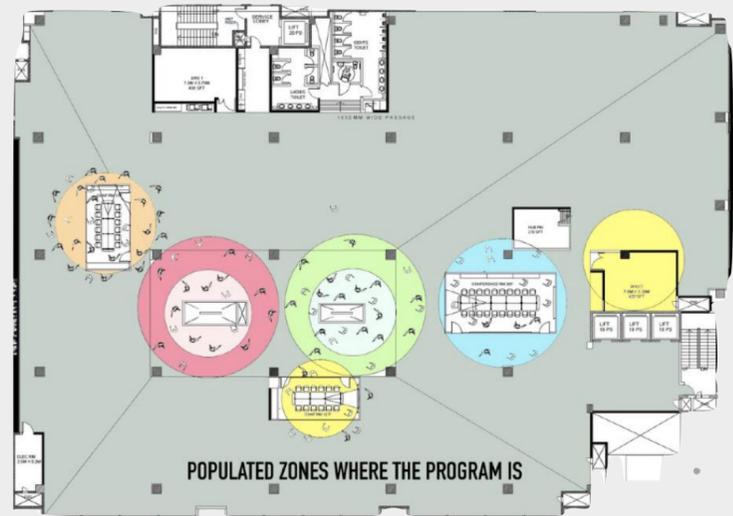
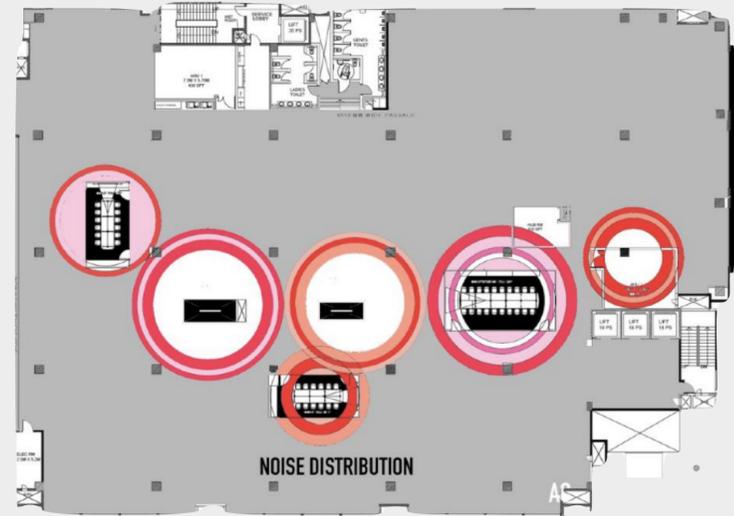
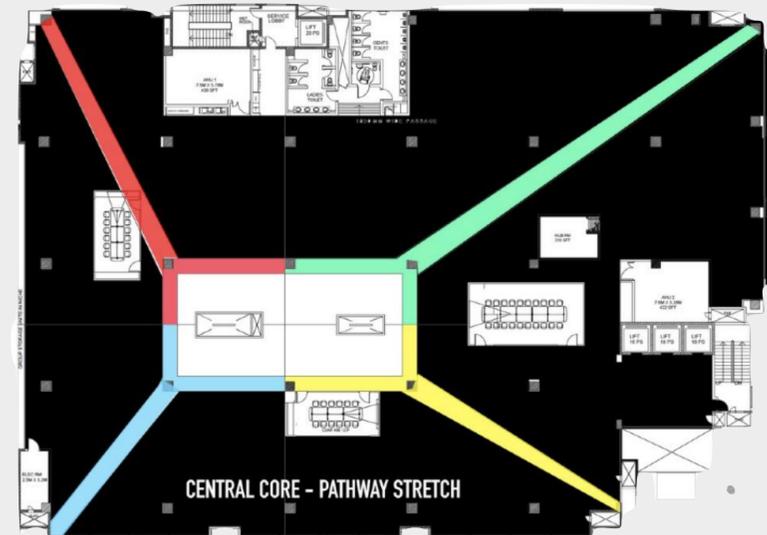
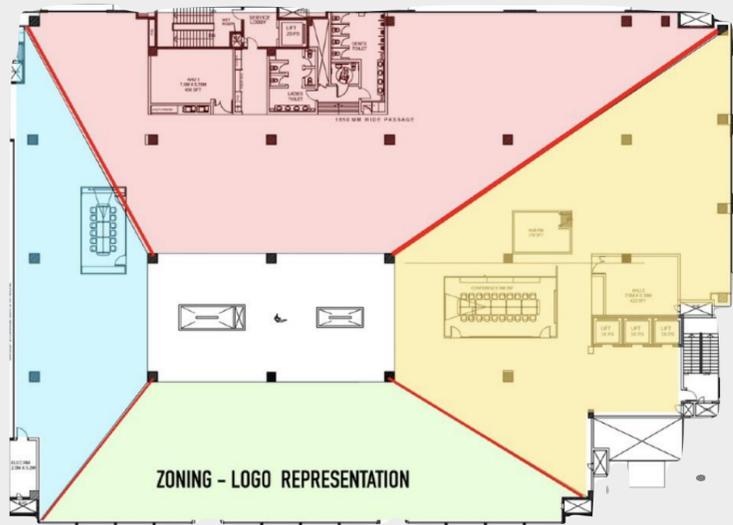
# AN EXAMPLE OF CONCEPTUALISING MATERIAL FINISHES



DICHROIC APPLICATION

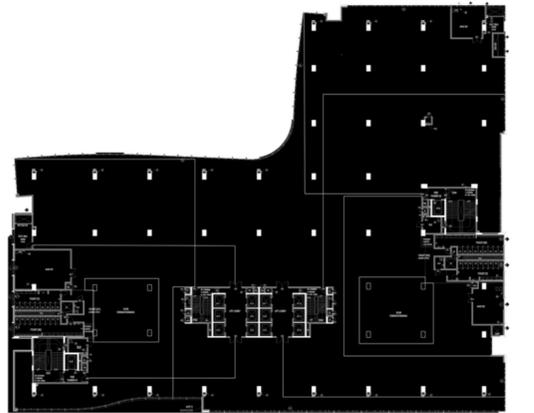
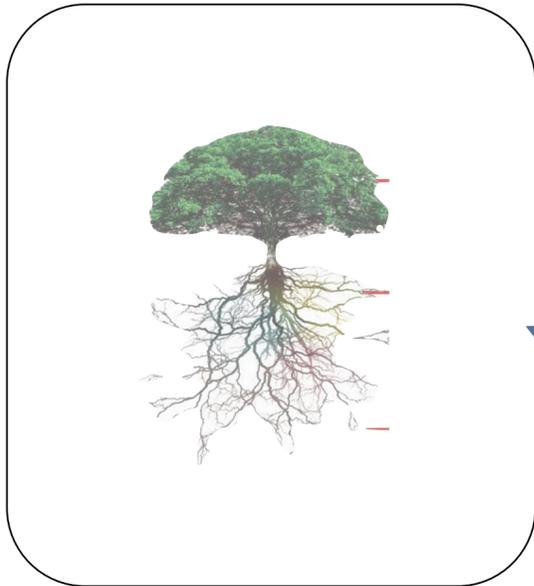


**UNDERSTANDING OF ZONING AND CIRCULATION PROCESS**

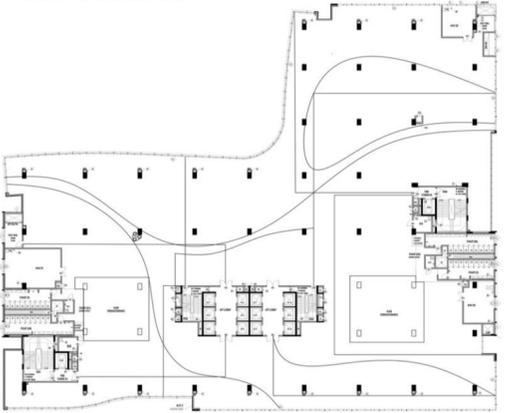
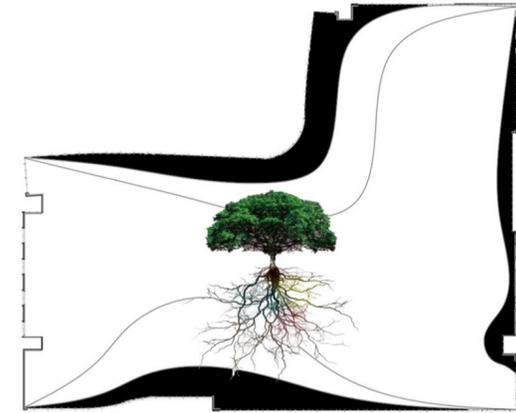




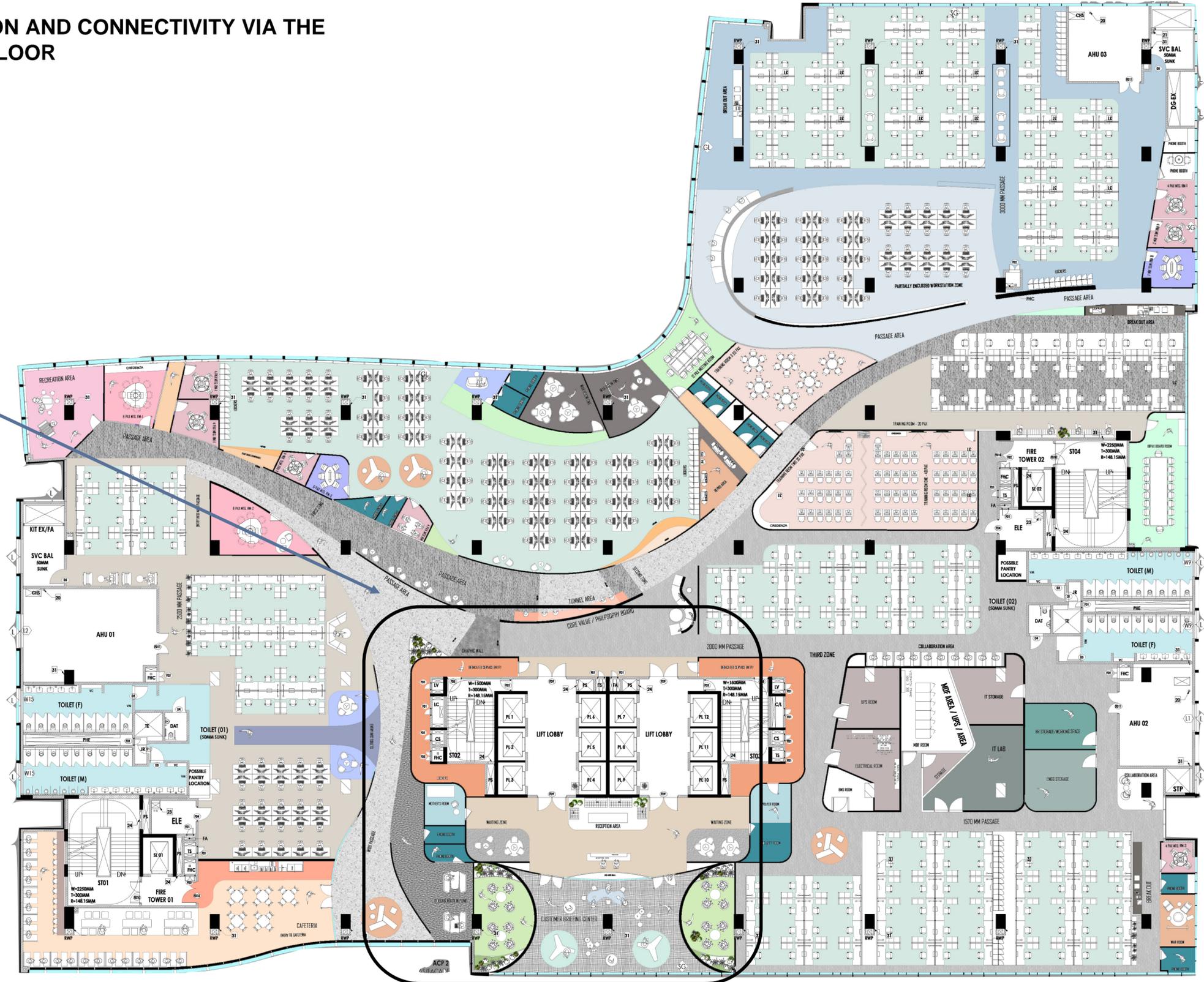
**DESIGN PROCESS FOR THE CIRCULATION AND CONNECTIVITY VIA THE ROOTS AND BRANCHES ACROSS THE FLOOR**



TAKING THE FIRE EXIT STAIRCASE ACCESS LINES



AND MERGING THE ROOTS INTO THE SPACE TO CREATE DISTRIBUTION OF SPACE





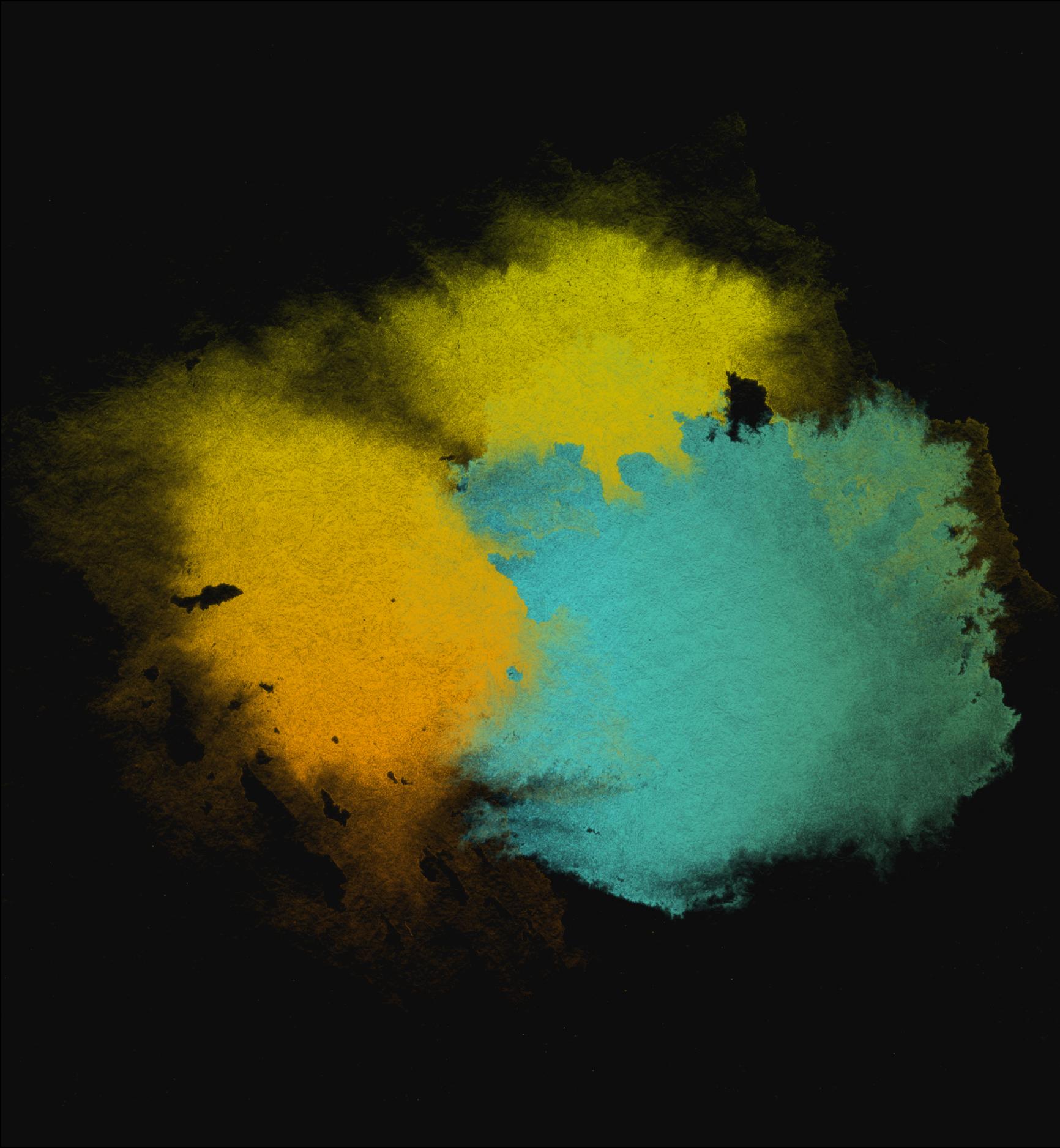
TABLES THAT CAN BEND CAN GIVE THE USER POTENTIAL TO DEFY WITH PHYSIC

## MOVING FROM A RIGID SPACE TO A FLEXIBLE SPACE VIA TECHNO

When the forces of deep expertise, leading-edge analytics, technology and strategy combine, they have the power to drive customer value and company results.

Design solutions with people's needs front and center.

Through decades of expertise, we know how to motivate your teams to embrace new **technology**.



**Stage Five : Approach to Engineering and IT Data infrastructure**  
An Overall Understanding

## DATA CENTER TECHNOLOGY & NETWORK INFRASTRUCTURE, ELECTRICAL LOW VOLTAGE SOLUTIONS



Industry 4.0 is giving rise to a data culture for accelerating digital transformation. Organizations are developing data-driven business models for utilizing data to its maximum potential. As a result, data has become an asset and a significant part of almost every business operation. Practically every organization has started implementing aggressive data collection and analysis for various applications and for this purpose, organizations deploy large data centers to store and process data. ADI contributes to the design and development of data centers in conjunction with Industry 4.0 standards' by designing and building A.I based data centers where physical security, equipment safety, redundancy in power and cooling systems, early warning and detection systems, environmental monitoring systems and most importantly data security are all integrated onto a common platform which provides organizations with a live feed of data analytics which is key to the maintenance of data centers in today's world. With an increased demand on data centers and data security, organizations need to hire skilled professionals for maintaining and monitoring at least the most critical of requirements. Running data centers and hiring staff can be immensely expensive for every organization. Furthermore, supervising and monitoring staff is an additional task. Hence, organizations are continuously looking for better alternatives to the conventional method. At this juncture, we the people at ADCT have developed anomaly detection & analysis (ADA) which can be deployed in data centers to fully automate data Centre processes. AT ADCT, we strictly follow the international norms for data center tier classification based on end user needs with the ultimate goal to ensure zero downtime.



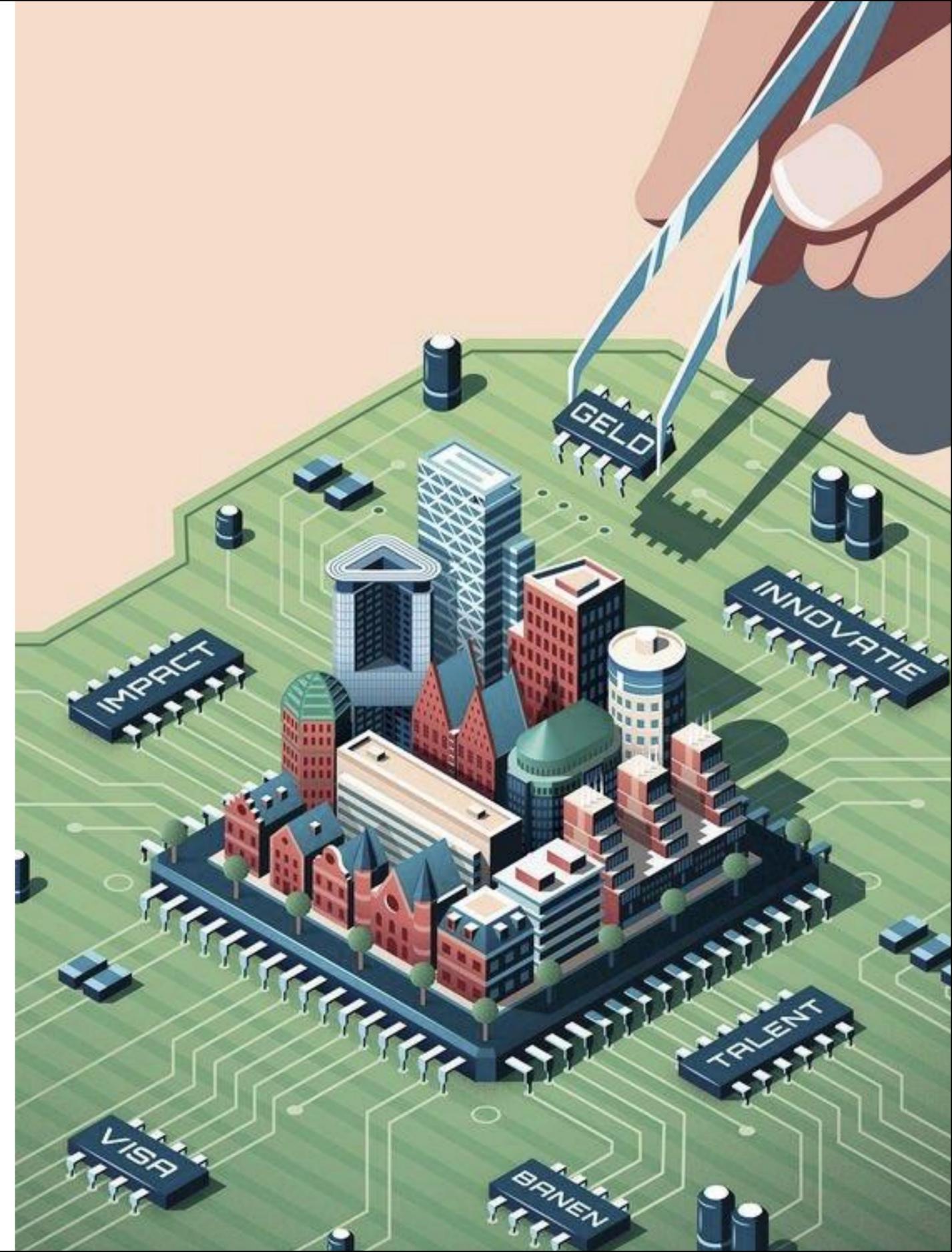
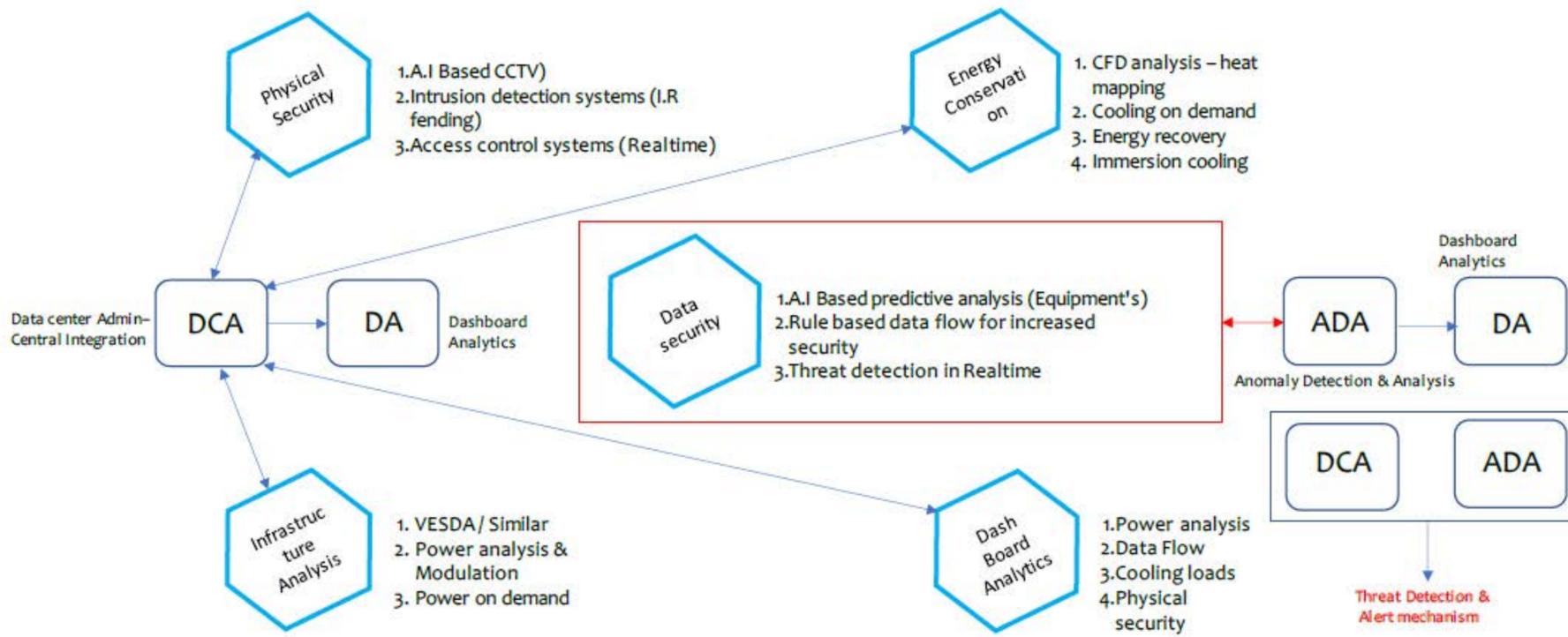
**Our motto is to encourage Leveraging Artificial intelligence and Machine learning with anomaly detection analysis in the data Centre in a feasible manner is necessary for every data-driven business. "Gartner has claimed that more than 30% of data centers that don't deploy AI and machine learning won't be operationally and economically feasible by 2020. Therefore, every data-driven business must implement AI and machine learning in their data centers. AI will also help organizations stay ahead of increasing data storage and processing requirements".**

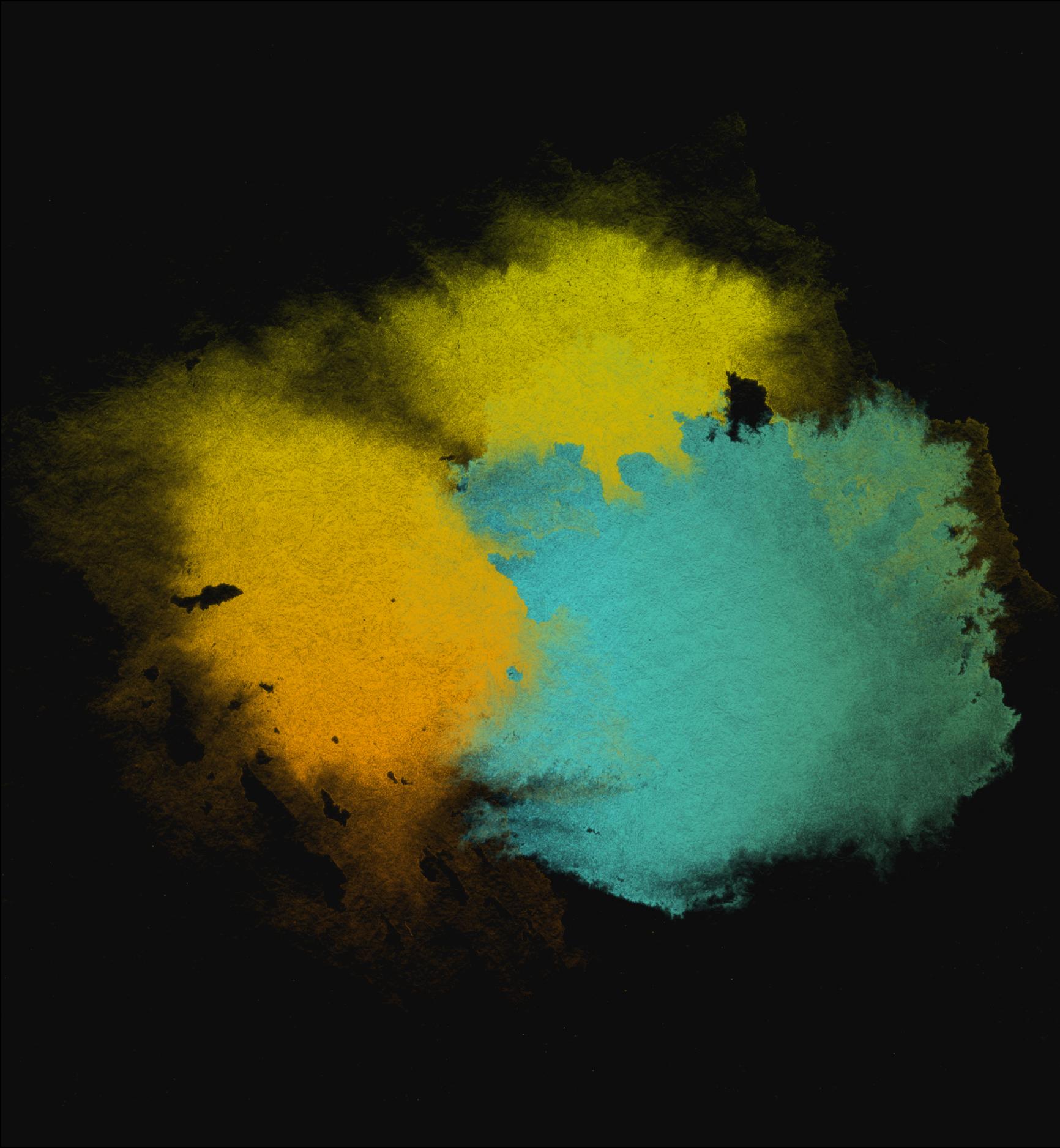
### Services Offered

Design and built : co-location data centers  
Artificial Intelligence in Data centers (Intelligent Data centers) Anomaly  
detection and analysis for data security (ADA)  
Design and built: Green and energy efficient data centers  
Design and built : NOC rooms & control rooms  
Design and built: conventional Data centers  
Design of IT network Infrastructure  
Design and implementation : Electrical Low Voltage Solutions (ELV)

# OUR STATE OF THE ART IT & DATA CENTER ARCHITECTURE

## A.I Implementation in Data centers / Command and control centers





Stage Six : Approach to Artificial Intelligence & IOT  
An Overall Understanding

## ARTIFICIAL INTELLIGENCE

Our Artificial intelligence for A.I security & surveillance utilizes programs and algorithms that analyze audio and video from video surveillance cameras in order to recognize humans, vehicles, objects and events. Our software is designed to define restricted areas within a camera's view (such as a fenced off area, a parking lot but not the sidewalk or a public street outside the lot) and can be programmed for different times of the day (such as after the close of business) for the property being protected by the camera surveillance. Our client-centric algorithms with machine vision as the input feed detect trespassers breaking the rules set in conjunction with the client requirements. Our software is well equipped to identify firearms, masked humans, vehicle plate numbers and most importantly utilizes behavior analytics to monitor human emotions & acts to determine the level of a threat and simultaneously alert the concerned authorities.

Our A.I. Algorithm is capable of maintaining surveillance of hundreds of cameras simultaneously. Its ability to spot a trespasser/ firearm or an event in the distance or in rain or glare is superior to humans' ability to do so. As our goal is to reduce adverse outcomes by increasing visibility of the environment. Ideally, increased visibility means being able to deploy security resources in trouble-spots, respond quickly and put in preventative measures to stop problems from recurring.

The use of artificial intelligence (AI) has subtly grown to become part of everyday life. We deploy AI based surveillance systems for simple tasks such as facial recognition for offices / workplaces to AN PR readers for automated vehicle entry in parking lots.

### Product & Services offered

#### A.I based intelligent security

Fire arms detection

Behavioral analytics

Anomaly detection Analysis for Data security & A.I in Data Centre

Loss prevention & theft detection for retail business

Machine learning for process automation.

NLP integration for visitor management systems

Facial recognition for workplaces

AN PR systems for vehicle entry points



ANALYTICS DESIGN  
CONVERGING TECHNOLOGIES

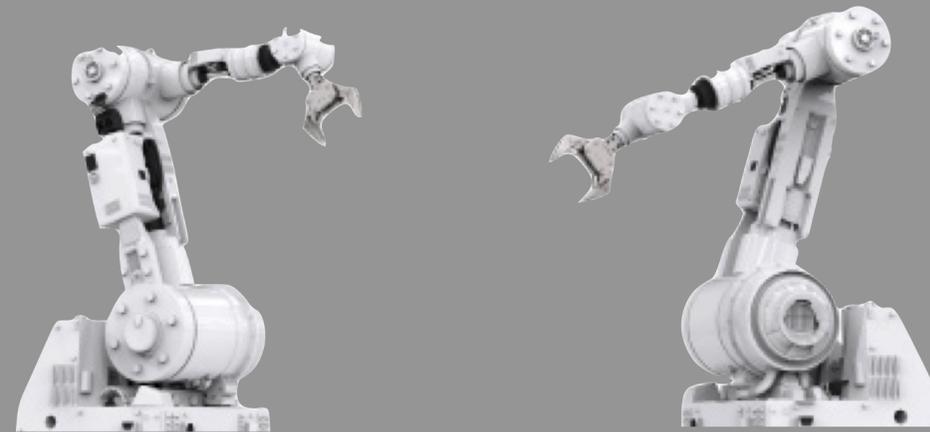
INTREX

## IOT : INTERNET OF THINGS

## ROBOTICS AND PROCESS AUTOMATION

Our tele-robotics program puts heavy emphasis on semi-automated devices and robots with the objective of carrying out our day to day activities in line with client specific requirements. Our top of the line products includes tele-robots to carry out our missions where direct human intervention or inspection is not an option. We primarily focus on semi-automated machines to carry out visual inspections, videography, non-destructive testing, cleaning of areas where human access is not possible or may be limited. Our systems utilize machine vision (MV) and ultra-sophisticated kinematic and control modules to navigate the machines to get the job done. Our inputs the use of set technologies and automatic control devices to cater to the industry requirements in conjunction with machine vision and tele-robotic systems. As an extension of our tele-robotic systems, we develop systems and control devices to integrate process automation into day-to-day activities so as to reduce human intervention and increase productivity with accuracy and precision. Our set of tele-robots would interact with the physical world via sensors and navigate with the help of state-of-the-art actuators and sensors for inertial navigation ideal for carrying out visual inspections, maintenance, videography and other critical tasks.

We also integrate components of AI onto fully autonomous or semi autonomous systems for day to day activities like visitor management, visitor guidance systems for large offices. These systems ease or can even replace human intervention to guide visitors to offices. We customize semi-autonomous robotic equipment for specialized tasks for the facility management industry.



# TECHNOLOGY IN WORKSPACE



ROOM BOOKING



ELECTRIC FROSTING



MOBILE TECHNOLOGY



AUTOMATED BLINDS WITH SUN TRACKING

Share wirelessly from Laptop , Tablet and Smartphone Connect with just a tap of button Cableless , Easy to Connect and No Confusion Collaborative presentation



CASPER CLOAKING TECHNOLOGY FOR MEETING ROOMS

It acts as a smart shield to ensure data privacy while providing the peace of mind to collaborate freely in any working environment. Anyone looking into the room from the outside sees just a black screen, while everyone in the room can work freely. The Casper product offering also includes a suite of graphic patterns that provide an additional layer of subtle visual privacy.



INTERACTIVE WALLS



WIRELESS PRESENTATION



BIOMETRICS & FACE RECOGNITION



HUMANOID ROBOT



## Stage Seven : Key Considerations

When a concept is driven, it is driven with an idea built under immense pressure of holding on to it before it slips away





**In experience,** we are aware and very concerned of the environmental and other ecological issues facing us and our future generations. As a socially responsible company we make every effort to ensure that the products that we deal in conform to the highest environmental protection standards. Many green concepts are being incorporated as core values including the use of materials, design forms and processes that minimize the negative impact on the environment. Together with world renowned partners who are eco-conscious, we pride in doing our small part to conserve our ecosystem.

**We choose products from companies that are socially and environmentally responsible by reducing or nullifying their carbon foot print with the introduction of newer products using recyclable materials, reducing water consumption at their plants and using biodegradable materials in their production. We always value environmental aspects when we strategize on tying up with partners and we ensure that manufacturers of labor-intensive products do not engage in any form of child labor at their facilities.**

Some examples of LEED projects that were worked on:

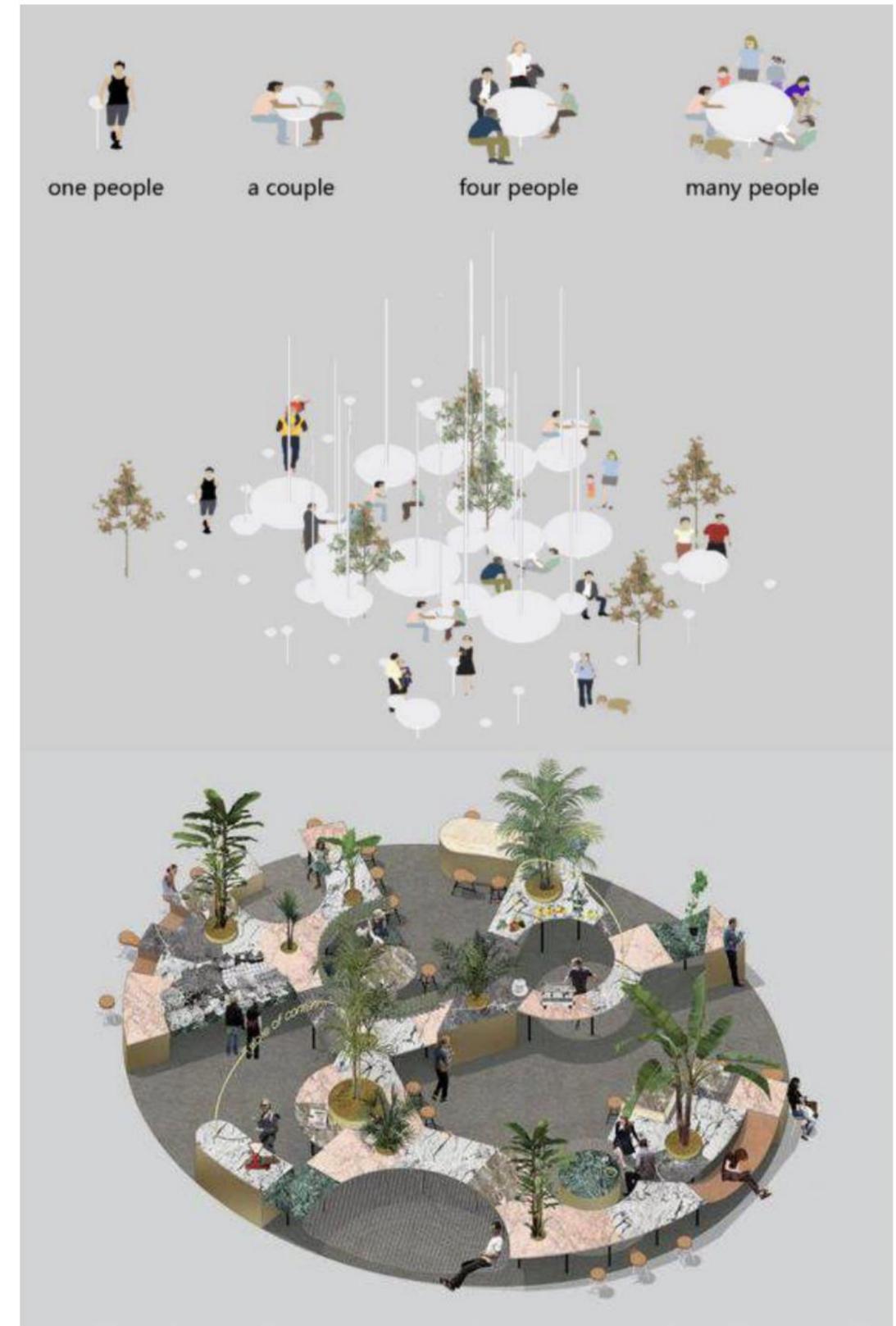
**GOLD Rating (Overseas)**  
Google- Bangalore  
Google- Hyderabad  
Schneider- Bangalore  
Red Hat- Pune  
Mphasis

**PLATINUM Rating ( Overseas)**  
Google- Gurgaon  
Google- Mumbai  
Google- Bangalore, 4th floor  
SAP Labs – Bangalore  
Inautix – Pune  
Apple- Hyderabad

# Seamless PHYgital integration of spaces.



Phygital is the concept of using technology to bridge the digital world with the physical world with the purpose of providing a unique interactive experiences for the user.





### ABSORPTION

Sound is energy. To stop this energy from spreading, absorptive panels convert energy into heat through friction. The absorption coefficient of a product will determine the level and quality of absorption. **Absorption** can be applied to fixed wall or ceiling elements.



### DIFFUSION

Sound that cannot be absorbed through acoustic treatments is scattered evenly back into the room. This spreads the sound more evenly, and maintains a live, vivid sound. **Diffusion** can be achieved by alternating different depths of absorptive materials and 3D shapes.



### ATTENUATION

Vertical elements are used to block the sound transfer in between different spaces, **dampening** the sound. This can include the use of sound blocks, vertical ceiling panels, spatial dividers or desk screens. Attenuation or sound dampening can help to improve speech clarity



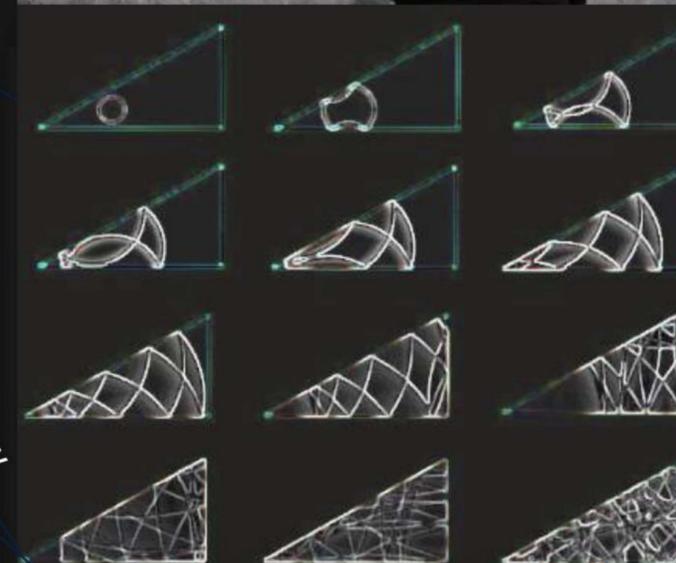
VARIOUS CEILING ACOUSTICAL PANEL DESIGNS

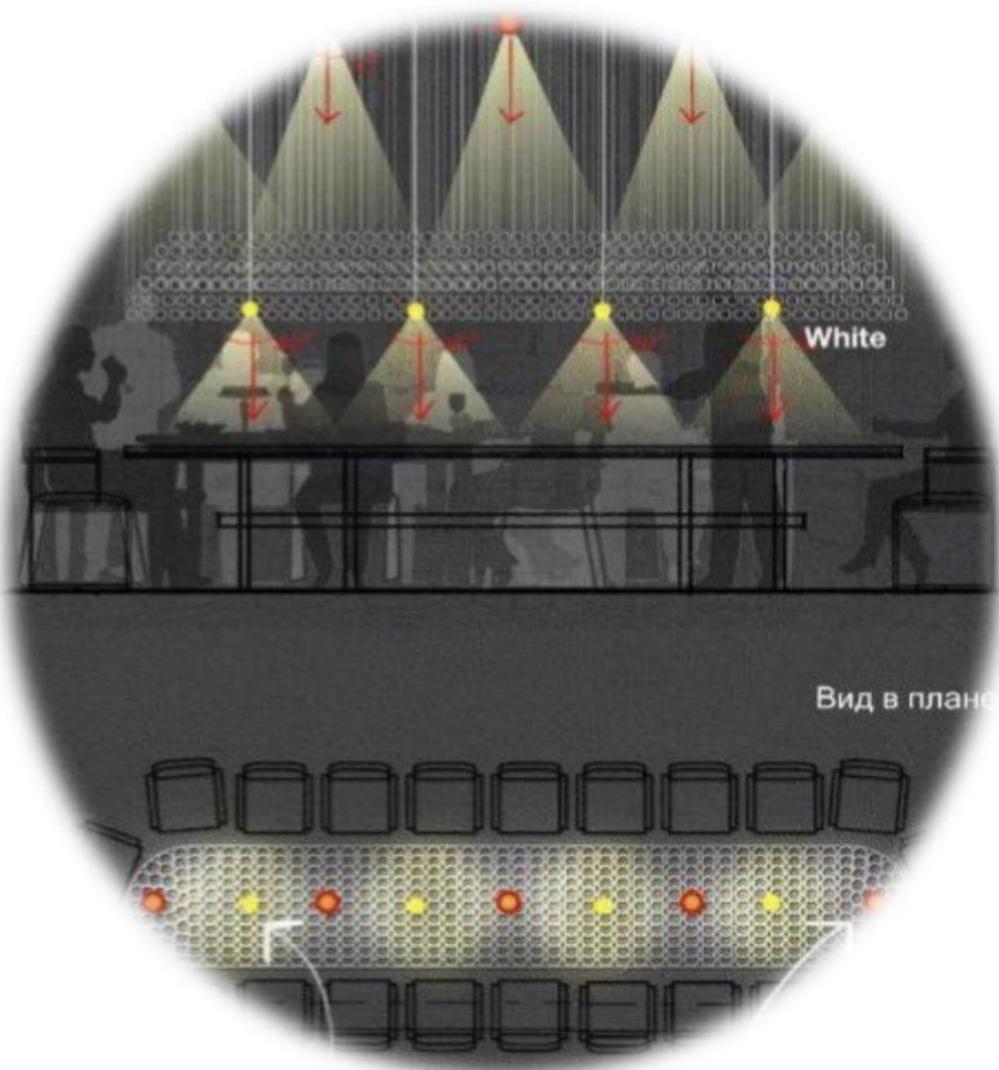


ACOUSTICAL WALL PANEL INSTALLATIONS



SOUND REVERBERATION STUDY



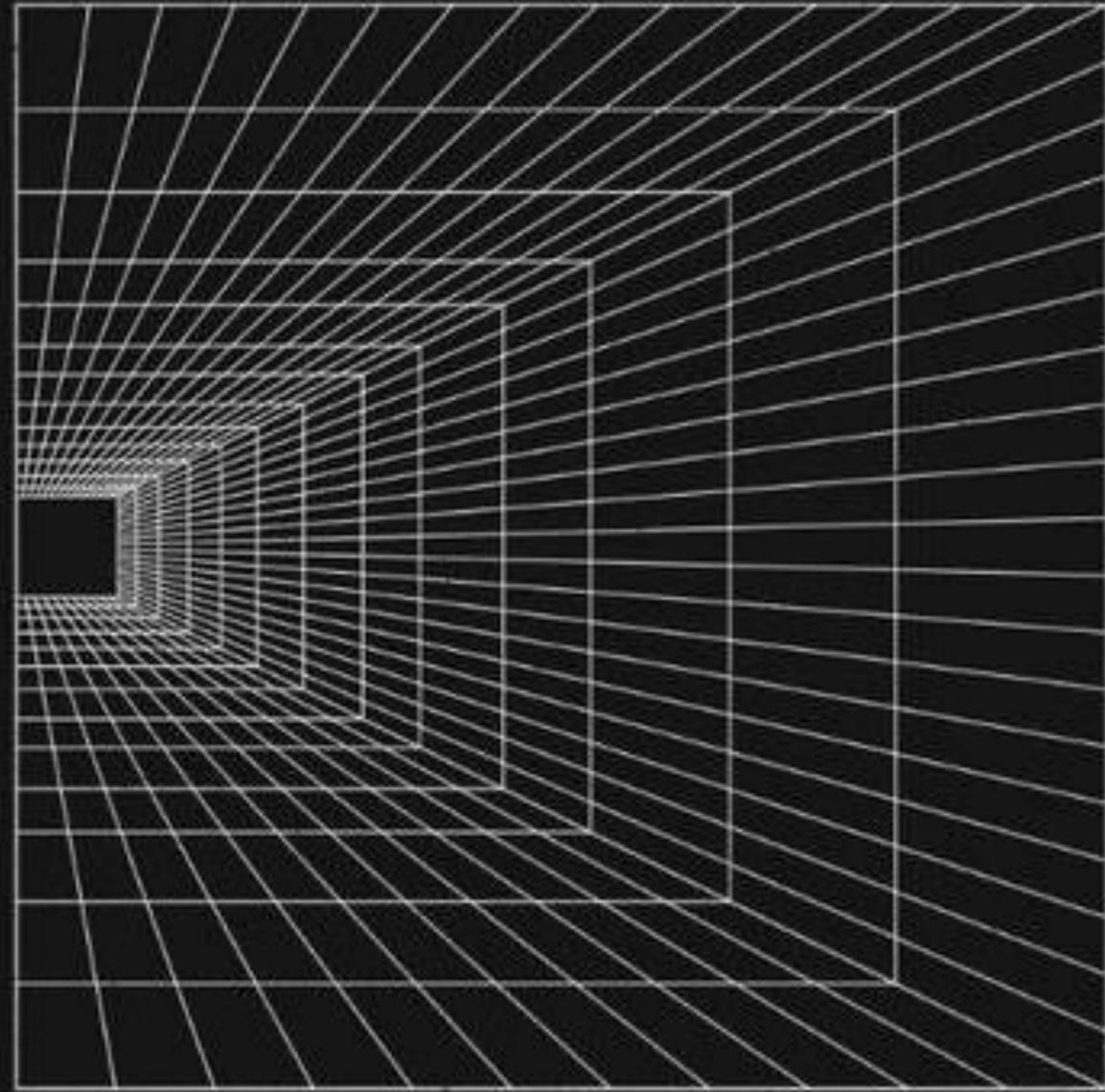


**LIGHTING**



The quality of lighting also plays a direct role in affecting the employee's productivity. As the scope of visibility increases, the employee's productivity levels can increase by 10-15%. For instance, in the case of flat illumination the overall uniformity of the desktop should be at least 60%.

Zonal lighting analyses where the user needs which light luminaires with good glare control and simultaneously high cylindrical illuminances, light the workstations, enable good visual comfort and achieve good, pleasant facial illumination.

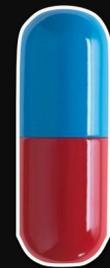


THE OTHER DIMENSION



ANALYTICS DESIGN  
CONVERGING TECHNOLOGIES





## SENSE DIFFERENT

*Design to us, is the culmination and selection of several constant rigorous creative processes that come together from various genre's of method exploration within the creative fields. There has to be a discipline in creation and a reason as to why you do, what you do. Design is a powerful tool to give the person in the front seat, a clear message and understanding the reason why they have chosen this product or space and what next to do **with it**.*