

# DESIGN INTEGRATE SUSTAIN



Seeds do not contain the resources needed to grow a tree. These must come from the medium or environment within which the tree grows.

But the seed does provide something that is crucial:
A place where the whole of the tree starts to form. As resources such as water and nutrients are drawn in, the seed organizes the process that generates growth. In a sense, the seed is a gateway which the future possibility of the living tree emerges

Peter Sengew





# Locations

# **Projects**

# Design

OFFICES
Dubai (HQ)
Singapore
Kochi
Bangalore
Mumbai

In 28 Cities, 16 Countries

Centres



MIDDLE EAST

Dubai Fujirah
Abu Dhabi Riyadh (Saudi
Ajman Arabia)
Al Ain Doha (Qatar)
Ras Al Khaimah Muscat (Oman)
Sharjah

INDIA
Bangalore
Trivandrum
Trichur
Wayanad
Calicut

Kochi Mumbai Gwalior Nagpur Noida AFRICA
Kigali (Rwanda)
Dar-es-Salaam (Tanzania)
Djibouti City (Djibouti)
Cassablanca (Morocco)
Arusha (Tanzania)
Zanzibar (Tanzania)
Awassa (Ethiopia)
Uganda (Kampala)
Addis Ababa (Ethiopia)

ASIA Baku (Azerbaijan) Colombo (Sri Lanka) Bukhara, (Uzbekistan)

# **CLIENTS**

## at a glance

### Architects Associated with











POPULOUS Kerry Hill Architects













# Gensler archcorp





































### Other Representative Clients





















































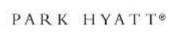




### Hospitality Groups Associated with













































# OUR CORE SERVICES

SEED provides a wide range of services within our MEP Engineering and Sustainability practices. We also partner with specialist agencies in case a project requires a specialized services design such as Acoustics, Vertical Transportation or Fire Engineering Services. Our aim has always been to provide all engineering solutions under a single roof and thereby, make the coordination easier for the Client.

### Mechanical

- Ventilation
- Air-Conditioning
- Heating
- Computational Fluid Dynamics (CFD) Analysis
- District Cooling
- Central Plant Design

## Electrical

- HT & LT Power Distribution
- Lighting
- Emergency Power Backup
- Earthing & Lightning Protection
- Voice/Data Services
- Extra Low-Voltage &Integrated Building
- Management Systems





# **Plumbing**

- Water Treatment
- Hot & Cold Water Supply
- Drainage system
- Waste-water Treatment
- Sewage / Effluent Treatment Plant
- Rainwater Harvesting

# Fire Fighting

- Fire Hydrants & water piping
- Sprinkler layout
- Fire Alarm
- Public Address System

# Sustainability

- Feasibility Studies
- Facilitation for LEED / ESTIDAMA /
- IGBC / GRIHA Certification
- Energy Modeling
- Daylight Analysis
- Lighting Simulation
- Renewable Energy & Waste Heat
- Energy Services
- Energy Audit & Performance Study
- Clean Development Mechanism (CDM)

### **Associated Services**

- Infrastructure Design & Planning
- Specialist Lighting
- Building Information Modeling (BIM)
- Testing & Commissioning
- Value Engineering
- Vertical Transportation
- Acoustic Consulting
- Fire & Life Safety Consulting
- ICT Consulting





# MANAGEMENT TEAM









Our People are our roots, the strong foundation on which we are based. Their individual experiences go much beyond that of SEED and their collective experiences lend us the effectiveness to provide engineering solutions for building services in projects across various industries. Our attention to the learning and development of our people helps us to retain talent and bring them up on par with rapidly evolving industry standards. In an industry plagued with a high rate of attrition, we take pride in having a respectable rate of retention, especially at the senior level.

Our Leadership team tread the extra mile in order to stay involved in live projects, in addition to their various administerial and organizational roles. Having worked in a number of multinational firms, on projects indifferent parts of the world, they bring their vast experience of delivering quality projects to our clients expectations with their attention to detail and adherence to effective delivery processes. We encourage diversity in the organization and within each project team in order to bring out the best in each individual. We have built an environment that promotes collaboration within and between each of our offices. We encourage each individual to take pride in their work and reward them for their efforts.



Sanu Mathew Managing Director

Sanu Mathew is an Electrical Engineering Graduate, with more than 30 years' experience in Building Services Design, Site Supervision and Project Management of High-Voltage & Low-Voltage, Power Systems. He is one of the lead designers in the team and has experience in design & supervision of engineering services systems for Airport, Utilities, Commercial, Residential, Retail, Hotels, School, Hospital and Infrastructure Planning projects.

As one of the founders of the firm, Sanu continues to inspire the team with his passion for excellence and keenness for sustainable design

- KAFD Children's Museum, Riyadh
- Dubai Festival City, Dubai
- Dubai Crystal, Dubai
- Dubai International Airport, Dubai
- Hyatt Regency-Arusha, Tanzania
- Novotel AlBarsha, Dubai
- Bar Al Jissah Resort (Shangri-La), Muscat
- Qatar Science & Technology Park, Doha
- Dubai Internet City, Phase-1A, Dubai
- DM Healthcare Medical College, Wayanac



Anand Krishnan Director

Anand is a Chartered Engineer with 36 years of experience, last 37 years in Dubai, in Building Services Design, Supervision and Project Management. He is highly experienced in most forms of building design in respect of building services integration. Anand projects cover a wide range of applications such as high-rise commercial and residential buildings, hotel and leisure facilities, hospitals, shopping complexes, showrooms, residential villa complexes, VIP and Royal Facilities and industrial establishments. The types of development have ranged from extensive site wide service distribution networks that spread over large areas to services for multi-story towers. He developed client relationship with major key clients and act as the primary Client interface on several major projects. Assist in identifying, hiring, mentoring, challenging and growing staff to create a high level of technical competency, proficiency, self-reliance, company responsibility and Enthusiasm.

- Opera House, Dubai
- Yas Island Water Park, Abu Dhabi
- Dubai Intercontinental Hotel, Dubai
- Ritz Carlton Hotel, Dubai
- Stanley House Development, UK
- Palaces and Villas for Ruler's Family
- City Center Me'aiseml at Dubai Sports City
- Wafi Shopping Mall Extension, Dubai Aiman City Center
- Dubai International Airport Extension, Dubai
- Sharjah International Airport Extension, Sharjah



Mohammed Al Horoub
Director

Mohammed Al Horoub is a Mechanical Engineer and LEED Accredited Professional with about 20 years of experience in Design & Planning of Building Engineering Services. Mohammed is one of the lead designers in the team and has experience in design & supervision of engineering services systems for Office, Residential, Retail, Hotels, Hospital and TV Studio projects. He brings on board his knowledge in sustainable design and the vibrancy of his youth, which renders the innovative aspects of the design in every project he handles. As a member of ASHRAE, Mohammed keeps him self up-to-date with industry trends and ensures his team follows them as well.

- Shangri-La Hotel, Dubai
- Ritz-Carlton, DIFC, Dubai
- Emaar Boulevard Plaza, Dubai
- Qatar Science & Technology Park, Doha
- KAFD Children's Museum, Riyadh
- Wafi Mall Extension (Phases 4&5), Dubai
- Mall of the Emirates–Ski Slope (Warm Side),
   Dubai
- Buri Khalifa Residences, Dubai
- Mazava Waterfront Residences, Dubai
- Middle East Broadcasting Corporation (MBC),
   Dubai



Sankar N. Menon Director

Sankar Menon is a senior Mechanical Engineer with over 53 years of professional experience spanning all aspects from planning & design to tendering & execution of Engineering services system in several iconic building projects. Sankar heads the Kochi operations of SEED Engineering and has experience in design of engineering services for major Office, Residential, Retail, Hotels, Hospital and Industrial projects. With several years of practical experience to his credit, Sankar is an authority on all critical aspects in design of Public Health Engineering and Fire Protection systems. He takes an active interest in the design of our various ongoing projects and is passionate about imparting sustainable solutions in the design of every project he handles.

- Burj Al Arab Hotel, Dubai
- Trump International Tower and Hotel, Dubai
- Burj Dubai Lake Hotel, Dubai
- Ibis Hotel, Dubai
- Jumeirah Palm Gateway, Dubai
- Dubai Flower Centre, Dubai
- Wild Wadi Theme Park, Dubai
- Acacia Avenues Residences, Dubai
- DM Healthcare Medical College, Wayanad
- GIE Majestic Residential Project, Trivandrum



**Design Integrate Sustain** is the mantra underlying our approach to every project we handle. At SEED, we believe that any project must go through three progressive steps to attain its essential success.

# **DESIGN**

At the basic level, everything is built in parts. The Design governs the cost and performance of any project. Working from whole to parts, every engineer in SEED is empowered to consider the smallest of details and their respective impacts at this level.

## **INTEGRATE**

The Design of each element integrates into the larger system at the second level. This step influences the efficiency and economics of operation in the project. Promoting a blend of technology, keen observation and human experience enables seamless integration of each service into the system.

# **SUSTAIN**

At the advanced level, we strive to transcend industry by expectations planning systems and technologies to last the test of time. The purpose of Sustain is to durability promote and sustainability in a project. Our designers tackle the challenge of not only meeting today's expectations but also of foreseeing tomorrow's demands.





















# **OUR**

#### **SECTORS**

Hospitality

Township & Residential

Commercial

Education

Healthcare

Theme Parks

**Stadiums** 

Retail

Spa & Resort

Villas

Museum

Fit-out (Offices, Retail, F&B)

Cold Storage

**District Cooling** 

Airport

Industrial

Others

### **SECTOR PROJECTS**

#### **Projects**

Our Projects are as diverse as our team is. Whether it is the sector the projects belong under or the location they are built in, SEED Engineering works on a variety of landmark projects in association with Architects, Developers, and other Consultants from around the world. We do not believe in a one-size-fits-all design for our projects.

Each project is unique and we look at it from a fresh angle, only drawing from our past experiences but not borrowing from them. The result is a highly optimized solution specific o the nature of use, the location and the scale of the project.



# HOSPITALITY

# Mandarin Hotel (WASL Tower) | Dubai, UAE

#### **PROJECT**

Mixed Used, Offices, Residence and 5 Star Hotel

#### **CLIENT**

WASL

#### **ARCHITECT**

**UN Studio** 

#### **SERVICES**

MEP Design & Supervision

#### AREA

150,000 sqm

Mixed used 30m tall building consisting of 2B+G+64 floors of offices, Mandarin Hotel and high-end residential apartments on Sh. Zayed Road, Dubai.











### Mandarin Jumeirah Beach Resort | Dubai, UAE

**PROJECT**Hotel Beach Resort





**SERVICES**MEP Design &
Supervision



#### **AREA & NO. OF HOTEL KEYS**

45,000 sqm 256 rooms consisting of 178 rooms and 78 suites

The project is an international Mandarin Oriental standard Resort coming up in Jumeirah. Located in one of Dubai's most prestigious neighborhoods, the resort's spacious rooms and eniov luxurious, suites а contemporary feel with stunning city or ocean views. With six and lounges, a restaurants destination spa and kids' club, Mandarin Oriental Jumeira, Dubai is the UAE's most exciting new resort.





### Novotel Al Barsha | Dubai, UAE

#### **PROJECT**

Mixed-Use Development

#### **CLIENT**

Al Ali Properties

#### ARCHITECT

Khatib & Alami

#### **AREA & NO. OF HOTEL KEYS**

169,000 sqm 465 guest rooms 9 function rooms

#### **SERVICES**

MEP Design & Part-time Supervision

The 3B + G + 41 Floors (3 Towers within the podium) Novotel Al Barsha is part of a 1.8 Million sq. ft. mixed use development which also includes a commercial tower and a residential tower. The hotel included 465 guest rooms, 9 function rooms and 5 restaurants. Overlooking Sheikh Zayed Road, the hotel which opened in 2013, is a landmark building in Dubai. SEED Engineering associated with the Design & Build Contractor, Rotary Humm and BK Gulf in providing MEP Design for this project.











### Millennium Deyaar Hotel | Dubai, UAE

**PROJECT** Hotel & Services

**Apartment** 

**CLIENT** Deyaar **ARCHITECT** U+A Architect

**SERVICES** MEP System Design & Supervision

Millennium Al Barsha is located within walking distance from Mall of the Emirates and situated in the bustling area of Al Barsha. The now open 4-star property is the perfect destination for business and leisure travellers alike, being close to the World Trade Centre, downtown Dubai, the Dubai Mall and adjacent to the kid's attractions and entertainment in the city.

This stunning property offers 299 well-appointed rooms and suites, 109 serviced apartments featuring all modern amenities and equipped with the latest in room technology. The rooms showcase impeccable design and charming atmosphere with elegant and contemporary décor which includes rich wood paneling and natural colours.





#### **AREA & NO. OF HOTEL KEYS** 36,200 sqm 299 Key rooms & suites 109 services apartments







### W Hotel | Muscat, OMAN

OMRAN set up by the Government of Oman develops and manages some of the largest tourism projects in Oman. The W Hotel world-class addition to Muscat's exclusive beachside Shatti Al Qurum area is one of OMRAN's major projects and is being developed jointly with the Starwood Hotels Group. The Hotel includes design narrative that explores the intersection of desert, mountains and sea, the 251 imposing rooms and 28 opulent suites of the W radiate references to the beauty of desert dunes and skies. Subtle style accents throughout remind the visitor of Oman's rich heritage and culture as well as its stunning natural environment.

The hotel's exceptional facilities include seven high-end dining options and lounges, swimming pools with uninterrupted sea views, a state-of-the-art fitness centre, an indulgent W AWAY spa plus cutting edge event and meetings rooms. The W Muscat links directly to the Royal Opera House Muscat via a pedestrian bridge.

SEED Engineering is involved in providing design of MEP Services for the hotel, which will use 10MW of power and 1820Tons of cooling load in operation. The Hotel will open for public in 2017.





#### **PROJECT**

Luxury hotel from Starwood Hotels Group

#### CLIENT

OMRAN

#### ARCHITECT

COWI/HKS

#### **SERVICES**

MEP Design

#### AREA & NO. OF HOTEL KEYS

40,000 sqm 251 imposing rooms 28 opulent suites







### Namaste Tower (W Hotel) | Mumbai, INDIA

**PROJECT** 

Mixed use, 5 Star Hotel with Offices **SCOPE OF WORK** 

MEP Design

**CLIENT** 

Jaguar

**AREA & NO. OF HOTEL KEYS** 

120,000 sqm 363 Key luxury room

**ARCHITECT** 

Killa Architectural Consultants

The development occupies a prime site on Senapati Bapat Marg in the Lower Parel district of Mumbai. The Namaste tower, with a total height of 310m, houses a W hotel and comprises six podium levels which make up the front and back of house, thirty- one floors dedicated to hotel rooms, three floors of Wows and E-Wows suites, a SpiceTrader restaurant on the 56th floor and three floors dedicated to a night club operated by the Client.

The project consists of mixed use tower having 63 floors consisting of W Hotel, State of the art offices, occupying an area of 200,000 sq. ft. and a high-end retail space, occupying around 100,000 sq. ft. The hotel is a 363-key luxury 5 Star hotel., office & retail space.









# Worli – Ritz Carlton | Mumbai, INDIA

#### **PROJECT**

Mixed-Use Development

Twin Tower, Tower A, 65 Floors, Ritz Carlton Hotel & Shell & Core High End Offices & Tower B, Residential Tower, initially designed upto 89 floors and now 65 Floors.

#### **CLIENT**

Oberoi Realty

#### ARCHITECT

Kohn Pedersen Fox Associates (KPF)

#### **INTERIOR DESIGN**

Tony Chi & Associates

#### **SCOPE OF WORK**

MEP Design Services

#### **AREA**

Residential Tower: 2,00,000 sqm

Hotel & Residential Tower: 90,000 sqm

Parking: 1,00,000 sqm

The project is a mixed use development comprising of two towers, joined at ground level by a podium. Tower A & Tower B (65 floors) , will rise to 250 meters (2,690 ft.). Tower A will accommodate hotel operated by Ritz Carlton and high end residence whereas private residences will

be located in Tower B.

# Holiday Inn & residences and Hilton Garden Inn & Embassy Suites | Dubai, UAE

#### **PROJECT**

Twin Tower 1st Tower – 2B+G+29+MECH. Floor Hotel & Residences 2nd Tower – 2B+G+29+MECH. Floor Hotel Building

#### **CLIENT**

Kingston Holding

#### ACHITECT

**EDGE** Design

#### SERVICES

MEP Design & Supervision

#### **AREA**

60,000 sqm







## Privilege Tower (Marriott Hotel) | Batumi, GEORGIA

**PROJECT** 54-storey multifunctional complex **CLIENT**Alliance Group

**ARCHITECT**Alliance Engineering

**SERVICES**MEP Design

**AREA** 24,250 sqm

54-storey multifunctional complex Alliance Privilege is located in the world-renowned Batumi Boulevard, on the most prestigious seaside spot in the city.

The Alliance Privilege complex consists of premium-class apartments, as well as the five-star Marriott Hotel, which occupies the first 12 floors of the building.

### Rotana Dar-es-Salaam | TANZANIA

#### **PROJECT**

Mixed use, 5 Star Hotel with Offices

#### **CLIENT**

**CRJE** 

#### **ARCHITECT**

Al Hatmy Design and Engineering

#### **SERVICES**

MEP Design

#### NO. OF KEYS

191 Luxurious Hotel rooms & suites 63 services apartments

The project, MNF Square in Dar es Salaam is a 65,000 square meters mixed-use project composed of the Five-Star Hotel, Class-A Offices, Retail and Parking Facilities.

The project is a partnership between Mwalimu Nyerere Foundation - a non-governmental organisation honouring the legacy of Tanzania's first president, Julius Kambarage Nyerere - which owns the land and will occupy some of the offices, and the CRJE Estate Ltd, a fully owned subsidiary of the China Railway Jianchang Engineering Company.

The hotel section will include 191 luxurious hotel rooms and suites and 63 serviced apartments spread across 24 floors operated by Rotana







## Hyatt Regency | Addis Ababa, ETHIOPIA

**PROJECT**5 Star Hotel

**CLIENT**ABS Holding

**ARCHITECT**WOW Singapore

**SERVICES**MEP Design &
Part-time Supervision

AREA & NO. OF HOTEL KEYS 45,000 sqm 275 Key Hotel

SEED Engineering is involved in the designed electrical systems to deliver about 4.5 MW in power and an air conditioning system to provide about 750 Tons of cooling.







# Melia Hotel | Arusha, TANZANIA

**PROJECT** 5 Star Hotel CLIENT **ABS Holding** 

**ARCHITECT WOW Singapore** 

SERVICES

MEP Design & Part-time Supervision **AREA & NO. OF HOTEL KEYS** 

18 acre

171 Rooms including 9 Suites



An oasis within Arusha set out on 18 acres of beautiful landscaped coffee and tea plantations. Pure tranquility with spectacular views of Mount Meru. Gran Meliá Arusha offers a unique experience combining the most exciting once-ina-lifetime safari destination with state-of-the-art conference facilities.





### Hilton Awassa Resort & Spa| ETHIOPIA

#### **PROJECT**

Hotel Beach Resort & Spa

#### CLIENT

Sunshine Investment PLC ARCHITECT

JDAW Consult

SERVICES

MEP Design & Supervision

**AREA & NO. OF HOTEL KEYS** 

30,000 sqm 169 Guest Rooms

Resort & Spa that will feature 169 guest rooms and villas, with an outdoor swimming pool and spa complex acting as its centrepiece.

In addition to four dining options, including a speciality restaurant and pool bar and grill, the property will feature extensive meetings and events space, with more than 1000 square metres of ballroom and prefunction area, as well as a further six meeting rooms.









### Park Hyatt | ZANZIBAR

**PROJECT** 

5 Star Luxury Heritage and Boutique Hotel

CLIENT

Albwardy

ARCHITECT
WA International

SERVICES

MEP Design

**AREA & NO. OF HOTEL KEYS** 

15,000 sqm 90 Key Hotel

Park Hyatt Zanzibar is a 5 Star Luxury in the Heart of Stone Town Sitting majestically on the beachfront in the heart of Stone Town, a designated UNESCO heritage site, Park Hyatt Zanzibar is the quintessential destination from which to experience the idyllic East African island of Zanzibar and embrace the rich culture, heritage, and historical significance of the hotel's location.

Park Hyatt Zanzibar features 67 luxuriously appointed guestrooms, including 11 suites, that seamlessly blend understated elegance, contemporary style, modern technology, and timeless regional accents.











# Hampton by Hilton | Dubai, UAE

**PROJECT** Hotel CLIENT

Private Developer

On completion of the bright and modern Hampton by Hilton Dubai located in Al Barsha will feature 153 guest rooms, with the brand's signature style of service, with a breakfast area, living and working zones, juice bar, 24-hour fitness facility and swimming pool.



**ARCHITECT** ECG

**SERVICES**MEP Design

NO. OF HOTEL KEYS 153 Key Hotel







## Radisson Blu | Ajman, UAE

**PROJECT**5 Star Hotel

**CLIENT**Holiday Group

Radisson Blu Hotel Ajman offers 148 stylish rooms, modern recreational facilities, 25m temperature-controlled pool, and 6 restaurants & bars, offering delectable international cuisines.



**ARCHITECT** DWP

SERVICES MEP Design AREA & NO. OF HOTEL KEYS 30,000 sqm 148 Key Hotel







**HOSPITALITY** 



# Ibis Hotel, Al Barsha | Dubai, UAE

**PROJECT**3 Star Business
Hotel

**CLIENT**Al Ali Properties

**ARCHITECT**Khatib & Alami

**SERVICES**MEP Design & Part-time Supervision

AREA & NO. OF HOTEL KEYS 20,000 sqm 480 Key Hotel

Ibis Hotel features 480 air-conditioned rooms. This hotel has facilities measuring 969 square feet (90 square meters), including meeting rooms.











# Holiday Inn | Dubai, UAE

**PROJECT**4 Star Business
Hotel

**CLIENT**Chelsea Group

**ARCHITECT** ArchGroup

**SERVICES**MEP Design

AREA & NO. OF HOTEL KEYS 45,000 sqm 400 Key Hotel



# TOWNSHIP&RESIDENTIAL



## EMAAR Harbour | Dubai, UAE

#### **PROJECT**

G+40 Twin Tower Residential high and low rise residential buildings, waterfront villas and houses, retail outlets, restaurants and cafes

Dubai Harbour is a unique waterfront destination located between The Palm Jumeirah and Dubai Marina. It offers unparalleled views of Dubai's skyline and the Arabian Gulf. It also contributes to achieve Dubai Tourism Vision 2020 to promote tourism and strengthen Dubai's position as a leading tourist destination.

#### **CLIENT** EMAAR

ARCHITECT
Perkins + Will &
Rice Perry Ellis

**SERVICES**MEP Design

**AREA** 65,000 sqm





TOWNSHIP & RESIDENTIAL



## Dubai Hills | Dubai, UAE

**PROJECT** 

5 Nos. (G+10) Mixed used Residential Building

CLIENT

EMAAR

ARCHITECT

LW Design & Dubai Consultant

**SERVICES** 

MEP Design

AREA

60,000 sqm

Dubai Hills Estate is a unique blend of elegantly-planned neighbourhoods centred 18-hole magnificent Around championship golf course. As the largest development of its kind in the region, it's an exciting new way to live – in a city within a city. Sustainably designed, Dubai Hills Estate is the first of its kind. This masterfully-planned 2,700-acre multipurpose development will form an integral part of the Mohammed Bin Rashid City (MBR City).







# City Walk Mixed Use Development (Phase 5) | Dubai, UAE

#### **PROJECT**

Mid-rise (B+G+5+R) Mixed Use Building -Residential and Retail.

The City Walk Phase 5 Building 1 sit within a gated residential park community masterplan. Land area is 7,282sqm and the permitted GFA is 25,452 sqm, of which 25,052sqm is Residential and 400sqm is ground floor convenience retail, with a max height of G+9.

### **CLIENT**

North 25

#### **ARCHITECT**

CRTKL / ArchGroup

### **SERVICES**

**AREA** MEP Design 25,452 sqm









# Akoya Carson Tower | Dubai, UAE

**PROJECT**Residential Tower

**CLIENT**DAMAC Properties

**ARCHITECT** U+A Architect

**SERVICES**MEP Site Supervision

**AREA** 110,000 sqm

Consists of 3 residential towers each comprising 33 floors located at Umm Suqeim Road, Dubailand, Akoya, Dubai. With its supreme location overlooking the Trump International Golf Club Dubai, there's a staggering choice of outdoor facilities within easy reach. From premium retail therapy and fine dining, to The Arena and the Little Village Children's play area, Carson gives you access to it all.









### Mirdiff Hills | Dubai, UAE

**PROJECT** 

development,

Mixed-use, residential,

commercial, and retail

**CLIENT** 

DIRC

**ARCHITECT** Jonathan Dunn Associates, UK

SERVICES MEP Design **AREA** 350,000 sqm

"Mirdif Hills" is a mixed-use residential, commercial, and retail development in Mirdif spreads across one million square feet and strategically located adjacent to Mushrif Park with total built-up area of four million square feet.

The project is the only freehold community in Mirdif now, with 1500 apartments - a mix of studios, one, two, three-bedroom apartments and duplex units. These apartments are built to the very best specifications to deliver optimal living space and wellbeing.

The project also includes Millennium Hotel with 116 rooms plus 128 serviced apartments and NMC Hospital with approximately 230 beds.







## Vision City | Kigali, RWANDA

**PROJECT** 400-Arce Residential Township

**CLIENT** 

**ARCHITECT UDL** Developers Synergy

**SERVICES** Infrastructure & MEP Design

AREA 800,000 sqm

Located in Kigali, the capital city of Rwanda, Vision City is the largest residential township project ever undertaken in the country with 4600 units. The challenge of this project was to design the infrastructure for the 400-acre hilly terrain. This project when completed will be the most upmarket residential development in Rwanda. SEED Engineering has designed the complete M&E infrastructure for the project and MEP Design for the Phase-1 buildings consisting of 1.5 Million sq. ft.









### Kininya | Kigali, RWANDA

**PROJECT** Residential Township **CLIENT** 

**UDL** Developers

This 250 Acre township project is for the mid sector and comprises of walk apartment towers on a steep sloping site. The project comprises of 3500 dwelling units and all affiliated facilities and amenities like commercial centre, kindergarten, primary school, neighbourhood shopping centre etc.. The township is designed as a series of neighbourhood clusters and each cluster comprises of parks, community spaces and parking lots.

SEED Engineering has designed the complete M&E infrastructure for the project and MEP Design for the total development consisting of around 75 buildings.

**ARCHITECT** 

Synergy

**SERVICES** Infrastructure & MEP Design

AREA

175,000 sqm









# Noida Residential Development | Delhi, INDIA



#### **PROJECT**

Residential Development

#### **CLIENT**

Confidential

#### SERVICES

MEP Design & Tender Documents

#### AREA

300,000 sqm



### Jebel Ali Waterfront | Dubai, UAE

#### **PROJECT**

Residential Development

#### **CLIENT**

Mazaya Properties

#### **ARCHITECT**

BA – Architecture, Florida

#### SERVICES

MEP Design

#### **AREA**

300,000 sqm

This was one of the largest single residential development, in the Jebel AliWaterfront area (which is presently on hold).

SEED worked along with architects from US, BA, and structural engineers, WSP, for this project. The design involved providing power capacity of around 40MW and 18000 tons of cooling.

# The Print | Dubai, UAE

#### **PROJECT**

Residential Development

#### CLIENT

Mada'in Properties

#### **ARCHITECT**

BA – Architecture, Florida

#### **SERVICES**

MEP Design

#### AREA

25,000 sqm





# Avenue 4 | Mumbai, INDIA

#### **PROJECT**

Residential Twin Towers (G+50)

#### **CLIENT**

Sunteck Realty

#### **ARCHITECT**

Access

#### **SERVICES**

MEP Design

#### **AREA**

55,500 sqm



# Thane Residential Towers | Thane West, INDIA

#### **PROJECT**

Residential Towers (3B+GF+64 Stories and 3B+GF+54 Stories

#### CLIENT

Oberoi Realty

#### **ARCHITECT**

**UH Architects** 

#### **SERVICES**

MEP Design

#### **AREA**

930,331 sqm



## Khar Oberoi | Mumbai, INDIA

#### **PROJECT**

High-End Residential Development

#### **CLIENT**

Oberio Realty

#### ARCHITECT

**GUS Singapore** 

#### **SERVICES**

MEP Design

#### **AREA**

18,000 sqm



# Embassy Residential | Bangalore, INDIA

#### **PROJECT**

Residential Development

#### CLIENT

**Embassy Group** 

#### ARCHITECT

RSP Design

#### SERVICES

MEP Design

#### **AREA**

70,000 sqm





## Hansa Residential | Trivandrum, INDIA

#### **PROJECT**

Residential Development

#### **CLIENT**

**Emerson** 

#### **ARCHITECT**

ARCH Group

#### **SERVICES**

MEP Design

#### **AREA**

70,000 sqm



## MJR Clique | Bangalore, INDIA

#### **PROJECT**

Residential Development (Hydra and Hercules.)

#### **CLIENT**

MJR Developers

#### **ARCHITECT**

DSP Associates, Bangalore

#### **SERVICES**

MEP Design

#### **AREA**

55,000 sqm





# **COMMERCIAL**



## Dubai Crystal | Dubai, UAE

#### **PROJECT**

Mixed-use Development, Five Office Buildings & 2 Residential Buildings

#### CLIENT

**Dubai Properties** 

#### ARCHITECT

**HENN Architects** 

#### SERVICES

MEP Design

#### AREA

250,000 sqm

Dubai Crystal forms the first phase of a large development by Dubai Properties. The total project consists of more than 25 buldings occupying an area of more than 9 Million sq. ft.

SEED was involved in the masterplan, infrastructure design and detailed design of the phase 1 buildings. Phase 1 consisted of designing a total power capacity of 35MW and 15,000 tons of cooling. The overall project masterplan had a total power requirement of 140MW and 50,000 tons of cooling.





# Malabar Corporate Office | Kerala, INDIA

**PROJECT**Group Corporate
Headquarters Office

**CLIENT**Malabar Group

**ARCHITECT** STAPATI

SERVICES
MEP Design &
Supervision

**AREA** 72,000 sqm







# Shriram The Gateway Offices | Chennai, INDIA

**PROJECT**Cluster of Corporate
Offices

**CLIENT**Shriram Properties

**ARCHITECT** RSP

SERVICES
MEP Pre-Bid & Design

**AREA** 190,000 sqm









# Taurus Downtown Technopark Offices | Trivandrum, INDIA

#### **PROJECT**

A mix of SEZ and non SEZ development which has Corporate Offices, Hotel and Retail areas.

#### CLIENT

Taurus Investment Holdings

### ARCHITECT

RSP

#### **SERVICES**

MEP Pre-Bid & Schematic Design

#### AREA

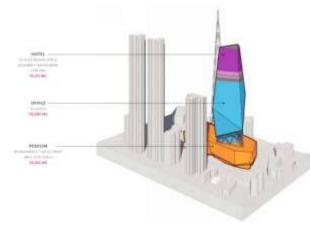
500,000 sqm











## Iven Tower | Worli Mumbai, INDIA

**PROJECT**Mixed-use Development

**CLIENT**Oberoi Realty

**ARCHITECT**KPF – New York

**SERVICES**MEP Design

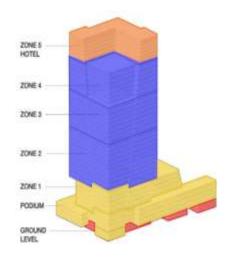
**AREA** 112,657 sqm

Iven is a mixed-use project development at Worli, Mumbai. Proposed tower of 54 levels consisting of Shopping Mall, Shell & Core Office and Hotel.









## Commerz 3 Tower | Goregaon Mumbai, INDIA

**PROJECT**Commercial Tower

**CLIENT**Oberio Realty

ARCHITECT

Woods Bagot – New York

**SERVICES**MEP Design

**AREA** 215,070 sqm

Commez-3 is a brand new High end commercial tower and retail Goregaon (East), Mumbai, landing to the existing Commez 2 Tower by the side of Western express high-way. Tower of 50 levels.







# Watoto Mixed Use Development | Kampala, UGANDA

PROJECT
Mixed use

Mixed use Development CLIENT

Watoto Church

**ARCHITECT** 

Symbion / SVA

**SERVICES** 

MEP Design Services

AREA

45,000 sqm

Watoto is a Mixed-use development consisting of Convention Center, Hotel & Mall.

Approximately 2700 pax convention facility with support meeting and support facilities. 5000sqm of lettable Mixed Retail/ commercial space Parking – 4 basement Levels housing approximately 600cars...





# CRDB Bank | Dar-es Salaam, TANZANIA

**PROJECT**Bank HQ Building

**CLIENT**National Housing
Corporation

**ARCHITECT** Al Hatmy

**SERVICES**MEP Design

**AREA** 26,500 sqm

The largest bank in East Africa, including Tier 3 Data centre.



## TBC Bank Headquarters | Tbilisi, GEORGIA

**PROJECT** 

Bank HQ Building

**CLIENT** 

National Housing Corporation

**ARCHITECT** 

**UN Studio** 

SERVICES

Peer Review

**AREA** 67,000 sqm

The Project is located at Tbilisi, Georgia and consists of 3 major blocks as Public Building, Subsidiary Block & TBC Bank HQ Building. The development has 2 common basements for car parking and other BOH functionalities and the various buildings will be configured be as follows,

Public Building:
Ground Floor + 3 Floors + Roof
Subsidiary Building:
Ground Floor + 4 Floors + Roof
Bank Head Quarters:
Ground Floor + 18 Floors + Roof





# Mexico Square Multi-Use Building | Addis Ababa, ETHIOPIA

**PROJECT**Multi-use Building

**CLIENT**Mr. Tamesgen Kefyalew

fyalew SLIK /JD

ARCHITECT SLIK /JDAW SERVICES

MEP Design Services

AREA

128,000 sqm



Mexico Square is a mixed-use project development located at Addis Ababa, Ethiopia. Proposed project consists of 5 basements for car park, 5 levels of shopping mall including 3 mutiplex and common podium, one 42 story office tower, three 32 story residential towers.





# Sobha Hartland North London Collegiate School | Dubai, UAE

PROJECT International School **CLIENT**PNC Investments

ARCHITECT
PNC Architects

**SERVICES**MEP Design

**AREA** 38,100 sqm



The project is an international school with the highest cadre of quality, catering to a population of 2024 students of various nationalities. The facilities include administrative and academic spaces, including spaces for children with special needs, spaces for creative exploration such as art, music and drama, science laboratories, medical facilities, activity and seminar rooms. Furthermore, the school also offers various facilities such as a performing arts centre, a fully equipped swimming pool, indoor sports hall, a multipurpose hall, a cricket field and two tennis courts for students & faculty members.



## Safa School | Dubai, UAE

PROJECTCLIENTARCHITECTSERVICESAREAPrivate SchoolSafa SchoolEDA / FNIMEP Design25,000 sqm



The vision of the promoters & the closely knit community of Safa Private School is to create a new British School that will emerge and stand out as a premier educational institute in Dubai, UAE. Safa Community School is a new 2,000 student school that will be located in Dubailand, adjacent to the miracle garden within the Al Barsha district. Located on the edge of Umm Sequim Road, the site is very prominent and can be viewed from multiple sides. The building form itself maximizes the opportunities on the site, creating a stunning public frontage. Commanding views to the Miracle Garden have been afforded from the main sports and performing art zones.



# Kings College – Nad Al Sheba| Dubai, UAE

PROJECT

International School

**CLIENT** 

Kings Holding Dubai ARCHITECT

ANC / Dubai Consultants **SERVICES** 

MEP Design & Supervision

**AREA** 

45,000 sqm

The project is an international school and an extension of an already successful Kings School. We were in involved in the design changes and supervision of the project.







# Raffles International School | Dubai, UAE

PROJECT

Raffles School Extension **CLIENT** 

Inno Ventures

**ARCHITECT** 

JRHP Consultant

**SERVICES** 

MEP Design & Part Time Supervision AREA

5,500 sqm

The Raffles School in Jumeirah was refurbished to add classrooms and a multipurpose hall and administrative facility revamp. We were involved in the design and part time supervision.







# Regent International School | Dubai, UAE

PROJECTCLIENTARCHITECTSERVICESAREAInternational SchoolRegent SchoolNEBMEP Design25,000 sqm



The project is an international school and one of SEED's first project as an independent consultant way back in 2005. We were involved in the MEP design of the school.



# Lake Lisi Secondary School | Tbilisi, Georgia

PROJECT

International School

**CLIENT** 

Lake Lisi

**ARCHITECT** 

Education Design International **SERVICES** 

MEP Concept Design AREA

18,000 sqm



Design of highly innovative residential campus on a steeply sloping site near Lake Lisi. This school (both architecturally and educationally) is being developed like no other school in the country. It is intended to become a flagship project showcasing best practices that can migrate to other Georgian schools.



# Oberoi International School | Mumbai, INDIA

PROJECT
International School

**CLIENT**Oberio Realty

**ARCHITECT**Perkins+Will

**SERVICES**MEP Design

**AREA** 30,000 sqm



Oberoi International School project is located at Andheri, Mumbai and is part of a larger layout called Oberoi Splendour which consists of residential building which houses approximately around 2000 apartments. The school building is around 30m in height with 2 basements and 8 upper levels.

The school will cater from playgroup, nursery, kindergarten to grade 11.Amneties includes swimming pool, tennis courts, auditoriums, multi purpose halls etc.



# Hitkarni University | Madhya Pradesh, INDIA

**PROJECT** 33-acre University

**CLIENT** Hitkarni Mahasabha **ARCHITECT**Sanjay Puri Architect

MEP Design & Infra services

**SERVICES** 

**AREA** 37,512 sqm





SEED is involved with Sanjay Puri Architects to develop the 33-acre University project. The project has 48 Regular Classrooms – Sixty-seater, 8 Large Classrooms – Eighty-seater, 6 Seminar Halls – Hundred and Fifty-seater, Entrance Hall, 4 Dean Offices and 4 Departmental Offices.



# Dr. B R Ambedkar School of Economics | Bangalore, INDIA

**PROJECT**Government University

**CLIENT** FNI **ARCHITECT** FNI

**SERVICES**Green Building
Consultancy

**AREA** 92,268 sqm

SEED carried out feasibility study for the sustainability aspects of this educational campus. The campus aspires to match the green building certification standards offered by LEED and IGBC. Study of the materials, site layout and energy savings systems were carried out. Potential problematic areas which might lead to loss of points in the credit system were identified.







# Charter School | Kerala, INDIA

**PROJECT**International School

**CLIENT**Moat Holdings Group

**ARCHITECT** EDA **SERVICES**MEP Design &
Part-time Supervision

**AREA** 20,000 sqm





The Charter School in Kochi is and international school which had Admin Block, Primary Block, Middle School and High School Block, Hostel Block, Olympic pool, Football ground and race track and similar amenities. The first phase has only been completed.



# Kai Early Years | Bangalore, INDIA

### **PROJECT**

Pre-school & commercial in Whitefield, Bangalore comprises of G+2 floors with separate commercial block

### **CLIENT**

Kai School

# **ARCHITECT** EDA

SERVICES

MEP Design & Part-time Supervision

# AREA

5,500 sqm







# Vega School | Gurgaon, INDIA

**PROJECT**Primary School

**CLIENT** Vega School **ARCHITECT** EDA

**SERVICES**MEP Design

**AREA** 7,720 sqm







# Vantage Hall Girls' Residential School | Dehradun, INDIA

### **PROJECT**

Vantage Hall is a 3-12 grade girls' residential school campus built on a 12 acre land.

# CLIENT

Vantage School

# **ARCHITECT**

EDA

# **SERVICES**

MEP design

**AREA** 

16,258.03 sqm









# HEALTHCARE



# NMC Hospital | Dubai, UAE

PROJECT

CLIENT

Hospital New Medical Centre

This is the first hospital in the Dubai Investment Park area. The challenge was to convert a building designed & constructed up to 50% as a polyclinic into a 70-Bed Hospital.

SEED was involved in the complete MEP Design for the project, including hospital systems.

# ARCHITECT

A2Z Architects

#### **SERVICES**

MEP Design & Supervision Services

### AREA

70 Hospital Beds / 20,000 sqm









# DM Wayanad Institute of Medical Science | Wayanad, INDIA

PROJECT

Medical College & Hospital

CLIENT

**DM** Developers

**ARCHITECT** 

**NM Salim Associates** 

**SERVICES** 

MEP Design & Supervision Services

**AREA** 

700 Hospital Beds / 120,000 sqm

With 700 beds and 1.2 Million sq. ft. area, this is the first medical college & hospital to be set up in this hill station of Kerala. The challenge was to design the infrastructure in the hilly terrain and to design the project to a limited budget of INR 100 Crores.







# Warsan Medical Buildings | Dubai, UAE

PROJECT
Covid 19 Medical
Facilities

**CLIENT**Dubai Health Authority (DHA)

ARCHITECT Al Sharawi

**SERVICES**MEP Design

**AREA**288 rooms / 556 beds
30,458 sqm

Conversion of Warsan 5 Residential Buildings as Medical Buildings for Covid Patient & Long Term Care Patient and Assessment center.



# Gargash Hospital | Dubai, UAE

#### **PROJECT**

2B+G+1+Terrace - Hospital

### **CLIENT**

Ali Gargash

### **ARCHITECT**

Eng, Adnan Saffarini

### **SERVICES**

MEP Design

#### **AREA**

50 Hospital Beds

# German General Hospital | Abu Dhabi, UAE



**PROJECT**German Hospital for Al Fahim Group

**CLIENT**German General
Hospital

**ARCHITECT**Wörner Traxler
Richter

**SERVICES**MEP Design
Outsourcing

# AREA

100-bed state-of-the-art hospital on a 40,000 sq m.

# New Al Zahra Hospital | Dubai, UAE



**PROJECT** Hospital **CLIENT**Gulf Medical
Projects Company

**ARCHITECT** RSP **SERVICES**MEP Design Peer
Review

AREA 200 Bed Hospital



# Sunrise Hospital – Kakkanan | Kerala, INDIA

### **PROJECT**

Hospital

#### CLIENT

Sunrise Institute of Medical Science

# **ARCHITECT**

Sony Mathai Lalichan Architects

### **SERVICES**

HVAC Designs only for the Hospital & operation Theaters

#### **AREA**

50,000 sq. ft extension to Sunrise Hospital

# City Center Hospital | RWANDA



**PROJECT** Hospital

**CLIENT**Dr. Kanimba P. Celestin

**ARCHITECT** Archus

**SERVICES**MEP System Services

**AREA**140 Hospital Beds

# Specialized Medical Centre in Casablanca | Morocco, NORTH AFRICA



**PROJECT**Medical Centre

**CLIENT** Khalifa Bin Zayed Al Nahyan Foundationl **ARCHITECT**HLW International LLP

**SERVICES**MEP Design

AREA 140 Hospital Beds



# THEME PARKS



# IMG Theme Park, Arena, Retails and Cinemas | Dubai, UAE

**PROJECT** 

Indoor Theme Park, Arena, Retails and Cinemas

**CLIENT** 

IM Galadari

**ARCHITECT** 

FTH USA

**SERVICES** MEP Design &

150,000 sqm

AREA

IMG Theme Park is the largest Theme park in the world. The project includes multiple rides, launch coasters, mall, arena, multiplex and food court. The main feature of this project is a huge shell in the shape of a bowl with a maximum height of more than 50 meters, which brought with it the challenge of near-precision air conditioning.

Our services included design of all Mechanical, Electrical including Extra Low voltage Services, Plumbing and Firefighting. The project uses 24MW power and the total chiller capacity is 4900TR. The IMG Theme Park is handed over in 2014.

**Supervision Services** 



# Hub Zero | Dubai, UAE

**PROJECT**Indoor Entertainment and Arena

**CLIENT** Meraas **ARCHITECT** RIVA

**SERVICES**MEP Design Services

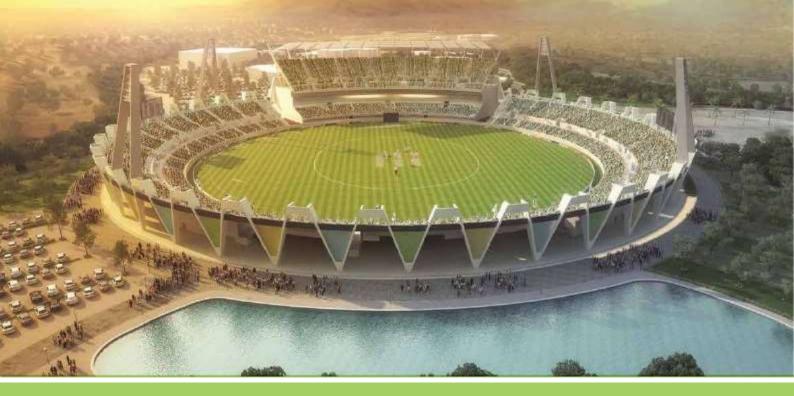
**AREA** 15,000 sqm

Hub Zero developed by Meraas, is the region's first immersive entertainment park that is set to offer innovative experiences created in association with world-famous video game developers including Electronic Arts, Capcom, KONAMI, Microsoft and Square Enix. Hub Zero is located at CityWalk, a premier urban lifestyle destination in Dubai.The state-of-the-art indoor entertainment destination will comprise a total of 18 thrilling attractions, rides and experiential zones, with a substantial number exclusively developed for Hub Zero.





# STADIUMS



# Rajiv Gandhi Int'l Cricket Stadium | Dehradun, INDIA

PROJECT
Stadium & Clubhouse

**CLIENT**Rajiv Gandhi Intl.
Cricket Stadium &

ARHITECT
Populous /
College Design

SERVICES

Concept Design for
MEP Design & Clients
Representative

AREA 25,000 seats













# National Games Stadium | Trivandrum, INDIA

# PROJECT Retail, Stadium & Clubhouse

CLIENT IL&FS **ARHITECT**Collage Designs

**SERVICES**MEP Design &
Supervision Services

**AREA** 50,000 seats









# RETAIL



# Peninsula Plaza | Dar-es-Salaam, TANZANIA

### **PROJECT**

Shopping Mall with Multiplex & Food Court

### **CLIENT**

Sumaria Group

### **ARCHITECT**

HOK - Synergy

#### **SERVICES**

MEP Design & Parttime Supervision

### AREA

72,000sqm

Situated in the upmarket Oyster Bay area of Dar es Salaam, Peninsula Plaza will be the largest mall in Tanzania when completed. The project design involved power provisions of 6 MW and cooling capacity of 1600 tons.









# Hansa Mall | Trivandrum, INDIA

PROJECT
Shopping Mall &
Residential
Development

**CLIENT**Hansa Developers

**ARCHITECT** Archgroup

**SERVICES**MEP Design

**AREA** 200,000 sqm







# Oberoi Mall | Mumbai, INDIA

# PROJECT

Shopping Mall with Food Court and Multiplex

# CLIENT

Oberoi Realty

# ARCHITECT

**Bentel Associates** 

# SERVICES

MEP Design

AREA





# Geepas Mall Kerala, INDIA

# **PROJECT**

**Shopping Mall** 

### **CLIENT**

Narmada Builders and traders

### ARCHITECT

Roy Anthony Architects

### **SERVICES**

Electrical & HVAC Services

#### AREA

20,000 sqm





# Borivali Mall & Hotel | Mumbai, INDIA

### **PROJECT**

Shopping Mall & Hotel

### **CLIENT**

Oberoi Realty

### **ARCHITECT**

Benoy

### **SERVICES**

MEP Design

# **AREA**



# Times Square | Dubai, UAE

# **PROJECT**

**Shopping Mall** 

# CLIENT

Sharaf Group

# **ARCHITECT**

NEB

### **SERVICES**

MEP Design Services

### AREA

52,000 sqm





# Orchid Plaza | Trichur, INDIA

### **PROJECT**

**Shopping Mall** 

### CLIENT

Metromac

### **ARCHITECT**

KGD Architecture

### **SERVICES**

MEP Design Services

# **AREA**





# Villa Centre | Dubai, UAE

### **PROJECT**

Community Mall

### CLIENT

Albwardy Engineering

### **ARCHITECT**

Pioneers of Experts

### SERVICES

MEP Design Services

### AREA

15,000 sqm





# Waitrose | Dubai, UAE

### PROJECT

Hypermarket & Retail Outlets

#### **CLIENT**

Albwardy Engineering

#### **ARCHITECT**

Arch Corp

#### SERVICES

MEP Design Services

### AREA





# MUSEUMS



# King Abdullah Financial District, Children's Interactive Museum | Riyadh, KSA

### **PROJECT**

The multi level Children's Interactive Museum building

#### **CLIENT**

Rayadah Investment Company

#### **ARCHITECT**

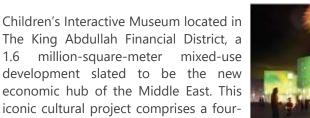
Henning Larsen Architects

#### **SERVICES**

MEP Design Services

#### AREA

35,000 sqm



story structure composed of five adjoining square blocks that sit above a four-story basement housing retail and parking facilities. The building program includes interactive exhibition spaces for children, workshops, a theatre and









service spaces.



# DUBAI

No. 303, Commercial Bank of Dubai Building Abu Baker Al Siddique Road, Deira P O Box 119146, Dubai, UAE T +971 4 2564882 F +971 4 2564883

### **KOCHI**

No. 62/4892, Kachapilly Square, Mullassery Canal Road, Kochi, Kerala, India - 682011 T +91 4842376817 T +91 4842375073

# **BANGALORE**

No.57, U.P Complex, 1st floor Double Road, Indiranagar 2nd Stage Bengaluru-560038 T +91 4842376817

### **SINGAPORE**

10 Anson Road, Office #29-10, Singapore - 079903

contact@seedengineering.com www.seedengineering.com