



**End-to-end liable
HVAC/Plumbing
Consulting / Training**

COMPANY PROFILE | 2018

Meet the team



Mohamaad Altaf Hussain
Managing partner

Altaf is a mechanical engineer and career entrepreneur who brings years of experience in the construction Industry..



Owais Mirza
Business development manager
Dubai Operations

Owais is a mechanical engineer and responsible for BDM operations in Dubai



Mohammad Farooq
BDM engineer

Farooq is Mechanical engineer, Focused and passionate for energy efficient solutions.

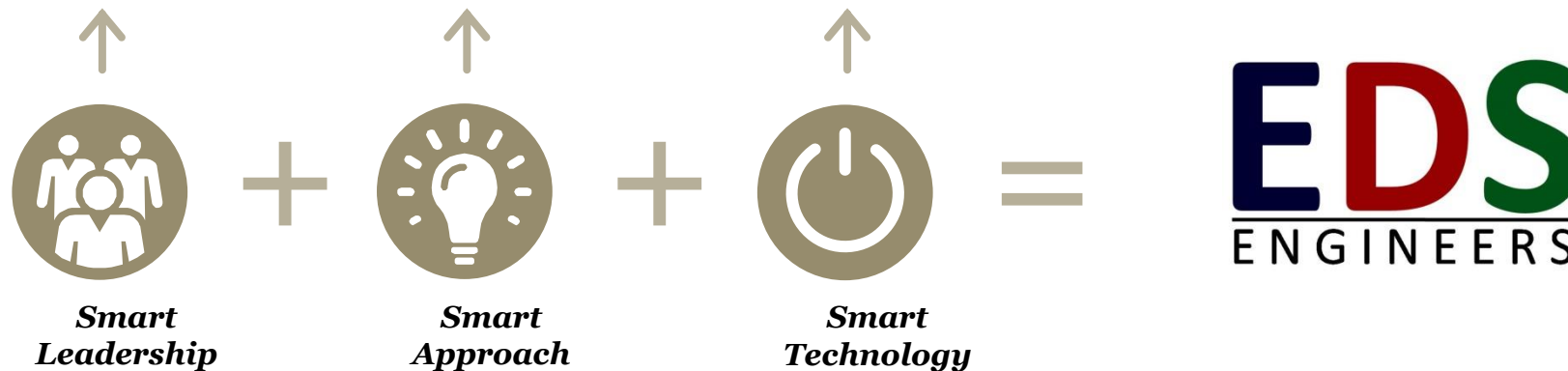
Our Purpose

“Our Aim at EDS is to provide excellent consultancy/Training service with end to-end (Design–Supply–Construction–Operations) liability, that realizes our clients vision to have project execution and project operations hassle free, We do this by delivering integrated design, supply , construction, project management and facility management services All our clients need to do is fix an appointment with our Engineers, rest we will take care.

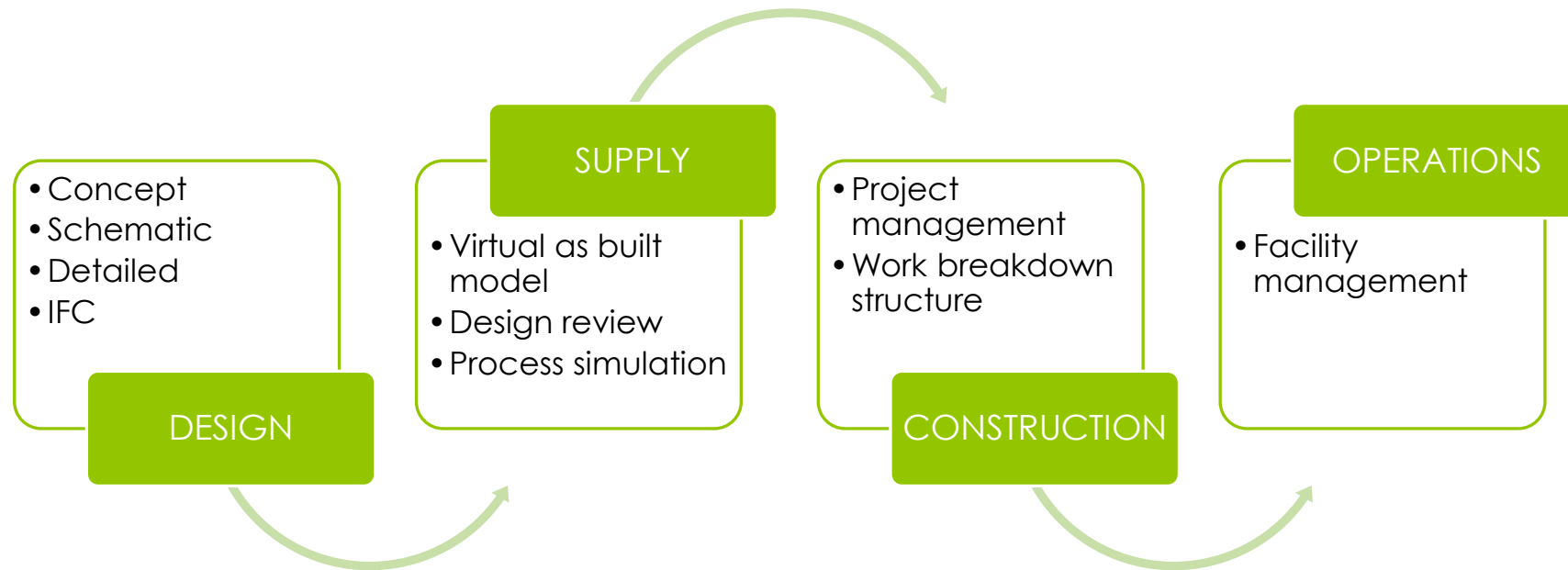
Business Model

1. Experienced Engineers with versatile experience in building design
2. Use of BIM-virtual as built model
3. Work break down structure
4. On time project completion
5. End to end liable consulting Model
6. Continuous Improvement and growth

*EDS engineers is built on a foundation of smart leadership, a smart approach and smart technology. This together with our six-core principles, results in a business that is **Innovative**, **Scalable** and **Sustainable**.*



How it works



Problems we solve



Consulting liability

- Who is to blame for project delay because of technical issues?
- Unlike other consultants we take the full liability of our services



Project efficiency

- HVAC Equipment constitutes 60% of energy usage of any commercial or industrial facility.



project variations

- Project variations are the nightmares for the project owner.
- We will convert nightmares into sweet dreams with smooth on time project completion.



Maintenance

- No consultant will take the responsibility of project maintenance.

*Consulting
liability*

- ❑ Client doesn't have to bother about the project issues ,we will take the liability and complete the project on time.

*Lower
working
capital*

- ❑ Our designs are based on international standards which makes our project efficient, hence low project running cost.
- ❑ Lower running cost = higher profits

*Facility
management
for hassle free
maintenance
services*

- ❑ Our facility management services makes our clients life more easy. All services under one roof makes us a unique and our clients tension free.

OUR SERVICES

1. HVAC AND PLUMBING PROJECT CONSULTANCY SERVICES.
2. HVAC TRAINING SERVICES
3. HVAC VALUE ENGINEERING
4. HVAC FEASIBILITY STUDIES
5. ENERGY AUDITS AND RETROFITS
6. PROJECT MANAGEMENT

- Heating, Ventilation & Air-Conditioning Course Outlines...
- Role of HVAC Engineer and Draughtsman in various industries
- Covers moist air properties and conditioning process, DBT, WBT, RH, Humidity ratio, Dewpoint, Heat: Sensible, latent heat.
- Fundamental of HVAC design Ventilation criteria
- Car parking ventilation
- Kitchen hood – Single skill hood, double skill hood
- Toilet exhaust- Commercial and residential, disc valve selection
- Air Conditioning System
- Vapour Compression refrigeration cycle, Window A/C, Split A/C, Package A/C, Ductable Split A/C, hideaway, Floor Mount, Cassette type, Ceiling type.

- Duct Design and layouts
- Shapes of a duct.
- materials of a duct.
- classification of duct: low, medium, high pressure.
- Designing: equal friction method, velocity reduction method, static regain method.
- Duct Designing Software: Duct & malware.
- Recommended G.I (Guage).
- Aspect ratio.
- SMACNA.
- Air Terminal selection
- cooling load calculation
- Heat load calculations (Manually by E20 and general) and by software programs like Carrier – HAP (Hourly Analysis Program).

- Chilled water system
- Chiller selection.
- Chilled water pipe sizing
- Hydraulic calculation for chilled water pump selection.
- Primary, Secondary Pump Selection, Pump in series and parallel.
- Common Header Pipe Sizing.
- Expansion Tank Selection – Software.
- Cooling Tower Selection- Evaporative Loss Calculation.
- Equipments Selection @“ Package Ac, Chiller, AHU, FCU etc
- Thermal cooling or Ice on Pipe system, HRW – Heat Recovery wheel, EAT – Earth Air Tunnel system.
- District Cooling System.
- E.S.P [External Static Pressure] Calculation for Blower Selection
- Fan & Pump Laws.

PRESTIGIOUS PROJECTS



ELEMENT HOTEL APARTMENTS

Project Detail

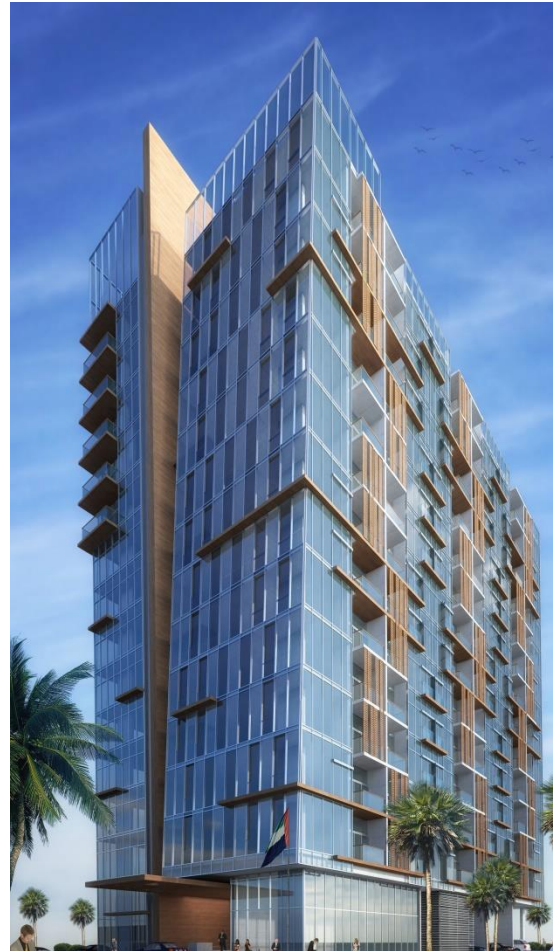
Description : Ground +39
Levels + Roof (Ground + 3
Podium + 36 Typical floors +
Roof) Type : Hotel

Apartment Location : Al
Safouh, Dubai UAE

Size : 43242 sq.m

Cost estimate : 390.000.000
AED

Scope :MEP design



RESIDENTIAL BUILDING

Project Detail

Description : 2 Basement +
Ground +13 typical floor +
gym

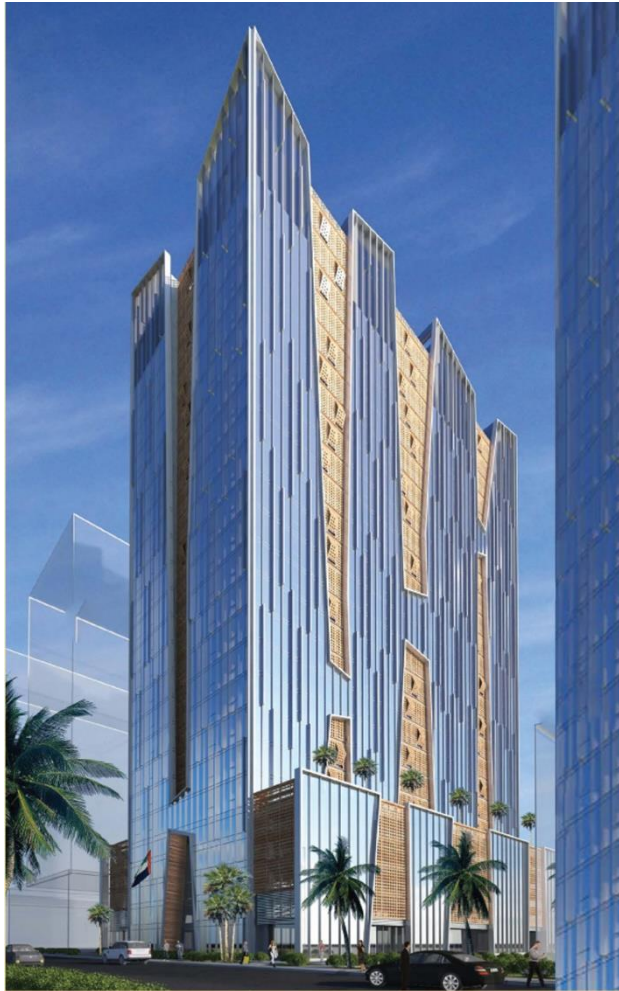
Type : Residential

Location : Wadi Al safa5,
Dubai Land, Dubai UAE

Size : 21.453 sq.m

Cost estimate : 64.360.800
AED

Scope: MEP design



HOTEL APARTMENT

Project Detail

Description : (Ground + 4 Podium + 20 Typical floors + Roof)

Type : Residential Building Location : Al Mamzar, Dubai UAE

Size :39.376 sq.m

Cost estimate :
135.000.000 AED

Scope: MEP design



RESIDENTIAL BUILDING

Project Detail

Description : (Ground + 4 Podium + 15 Typical floors + Roof) Type : Residential Building

Location : Jumeirah Village, Dubai UAE

Size : 9.788 sq.m Cost estimate : 34.000.000 AED

Scope : MEP design



RESIDENTIAL BUILDING

Project Detail

Description : (1B+Ground
+ 5 Typical floors + Roof)

Type : Residential Building

Location : Int'l City, Dubai
UAE

Size : 5.600 sq.m

Cost estimate :
19.000.000 AED

Scope : MEP design



SHOPPING MALL

Project Detail

Description : G+1
SHOPPING MALL

Location : Sharjah UAE Cost
estimate : 30.000.800 AED

Scope: MEP design



Westin Hotel

Project Detail

Description : (1B+Ground
+ 12 Typical floors + Roof)

Type : Hotel Building

Location Raheja
mindspace, Hyderabad
India

Scope : Lobby HVAC
design



Commercial Building

Project Detail

Description : Building 5a,5b,2a and 2b

Client: JLL

Location : Raheja mindspace, Hyderabad

Year : 2018

Scope: HVAC and Plumbing consultancy

Our Target Customers

Commercial Buildings



Industries



Data Centers



Infrastructure



EDS Engineers

19-4-438/A/20/A

BNK colony, Hyderabad P O Box-500064

Tel: +91-9908616371

Email: info@eds-engineers.com

Web: <https://ww.eds-engineers.com>