



Excellence in Engineering Solutions

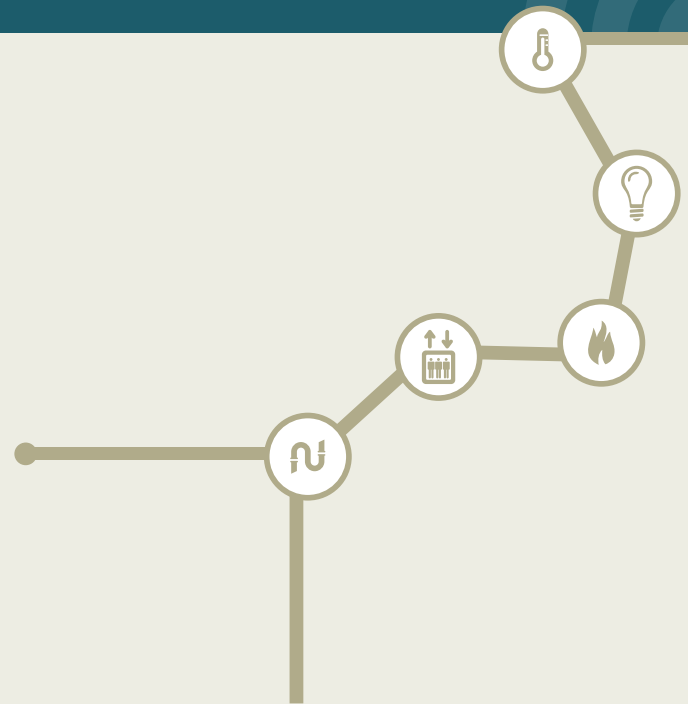
The next level of engineering performance

Apex Knowledge Technology MEP Services Overview



About Apex Knowledge Technology

Apex Knowledge Technology (AKT) is a subsidiary of Apex CoVantage, a US based leading provider of global Knowledge Process Outsourcing (KPO) services, employing more than 2500 people across the globe. Apex provides an array of solutions including Engineering Drafting & Design, Asset Management, GIS, Content, Management & Technology Products to companies across the globe.



MEP Solutions

At AKT, we provide our clients with world-class Mechanical, Electrical and Plumbing (MEP) Engineering solutions. Our MEP division, essentially works as an outsourcing partner to MEP Contractors and Consultants across the globe including the likes of Drake and Scull, Atkins, Voltas, Larsen and Toubro etc. We have successfully executed Engineering projects for our global clientele providing them an array of MEP services within the parameters of Quality, Time and Cost Successfully.

Our engineers and draftsmen combine a broad range of expertise having worked on several prestigious projects using state-of-the-art technology. We provide a fully coordinated and constructible set of design documents, detail drawings, shop drawings and CAD services that seamlessly transfer to construction. Apex Engineering Solutions can deliver reliable high quality End-to-End CAD solution for your business, freeing your team up for other strategic initiatives.

Markets we serve

- Residential & Corporate
- Hotels and Resorts
- Commercial and Retail
- Airports
- Health Care and Education
- Industrial and Process Facilities
- Research Centers
- Power and Gas
- Theme Parks

Clientele

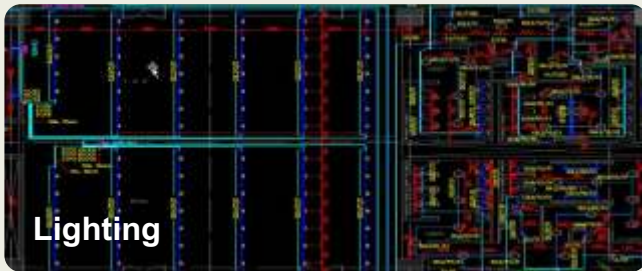
- MEP Consulting Companies
- MEP Contracting Companies
- Developers
- Project Management Companies



Services We Provide

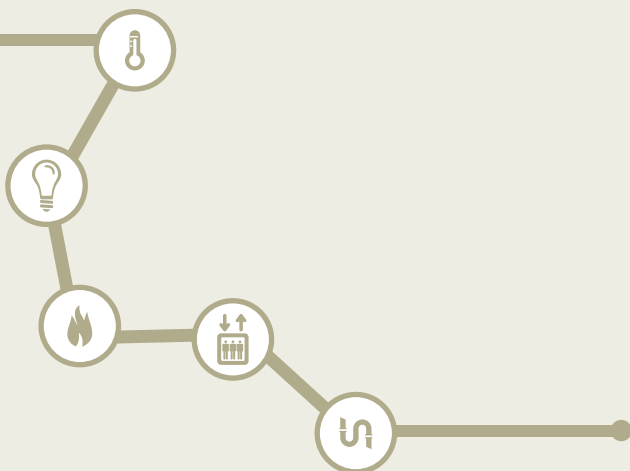
HVAC (Heating, Ventilation and Air Conditioning)

- Supply and return airduct
- Specialized exhaust systems
- Heat recovery systems
- Equipment selection
- Heat loss and/or gain calculations
- Heating and cooling equipment selection
- Chilled and heating water piping design
- Ventilation requirement calculations
- Duct layout
- Plant room layout design
- Schematic heating and cooling system design



Electrical

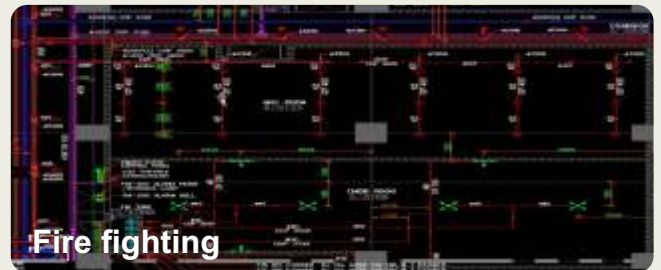
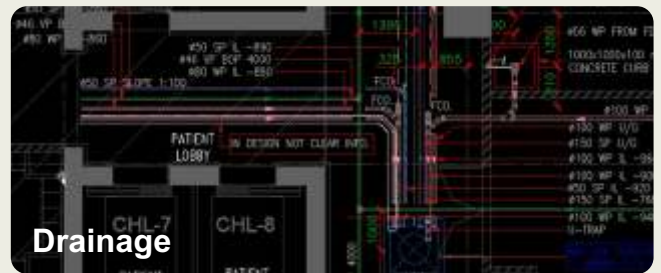
- Power supply and distribution
- Emergency power distribution systems
- Lightning protection and grounding systems
- Lighting and lighting controls
- Equipment connection
- Electrical load estimates
- Cable selection and Voltage drop calculations
- Panel schedules
- Transmission and Distribution
- Electrical design, including:
 - General and emergency lighting layout plans
 - General power layout designs
 - Main distribution and containment designs
 - Single line diagram
 - Fire alarm riser design
 - Electrical schematic distribution design
- Architectural, interior and exterior lighting systems
- Fire alarm systems
- Dimming and dimming controls
- Building facade lighting
- Controls schematic/wiring design



Services We Provide

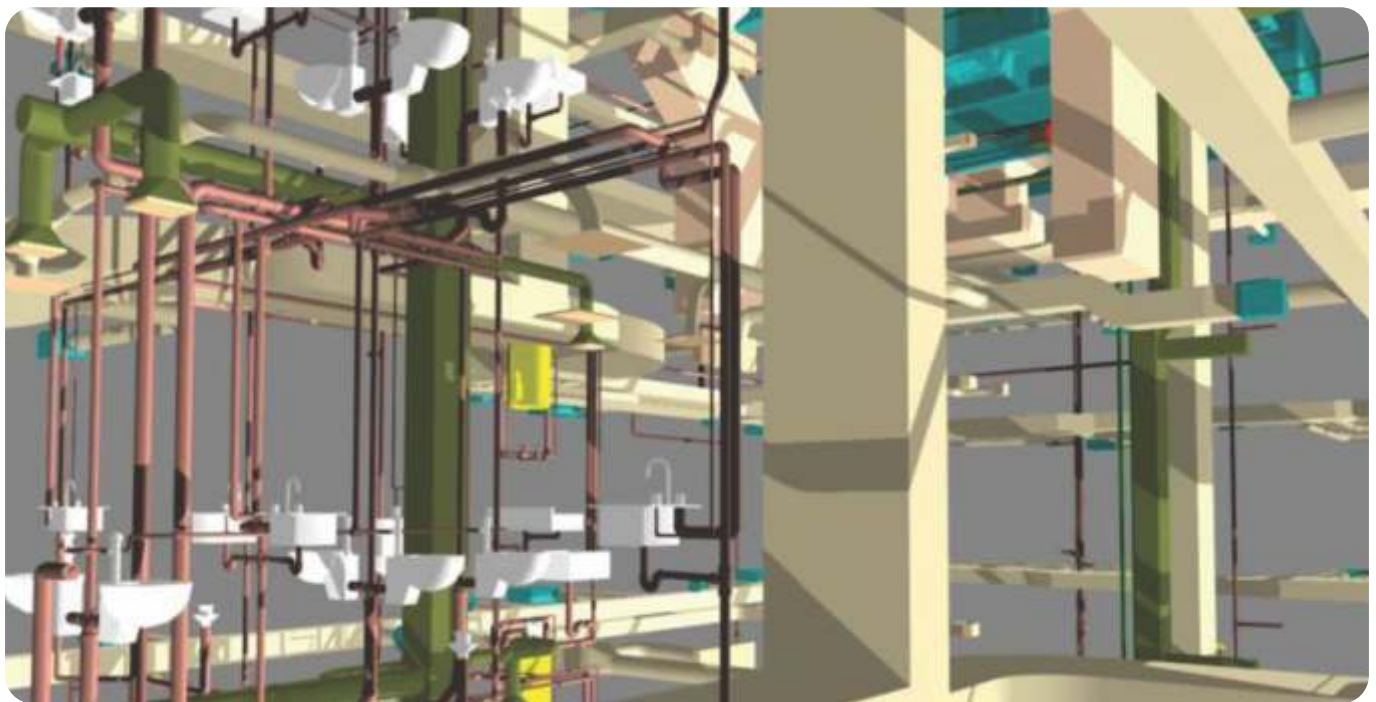
Plumbing and Firefighting

- Design/Drafting of Domestic hot & cold water supply systems
- Design/Drafting of Soil and waste disposal systems
- Design/Drafting of Rain and storm water drainage systems
- Design/Drafting of Fire Protection systems
- Design/Drafting of Hose reel systems
- Design/Drafting of Sprinkler and other specialized systems
- Gas supply piping design
- Fuel gas design
- Fire protection system design

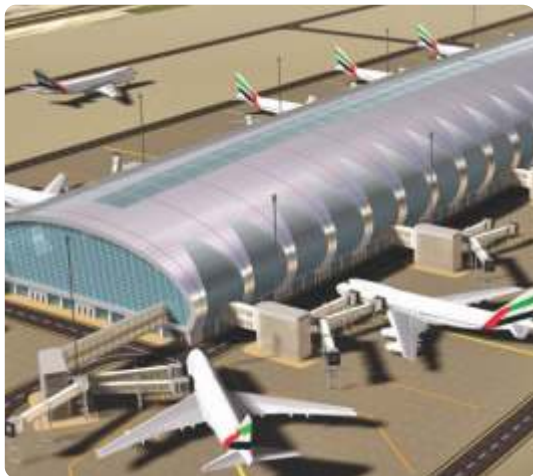


MEP BIM and Revit MEP

- Conversion of 2D drawings to 3D models
- Co-ordination among various MEP trades
- Collision detection
- Shop drawings
- Schedules, Bills of Materials, Detailed section views
- Parametric modeling and library creation of HVAC & MEP components



Partial List of Ongoing/Completed Projects



- New Doha International Airport, Qatar
- Salalah Airport, Oman
- Green Point Football Stadium, Cape Town, South Africa(venue for 2010 Soccer World Cup)
- Kolkata International Airport, India
- Sidra Medical Research Centre, Qatar
- Hamad Medical Centre, Qatar
- Turnberry Towers, USA
- Washington Tyrannus School of the Arts, USA
- Trafford Wharf Office Complex, UK



www.apexcovantage.com



TESTIMONIALS

Our first work with Apex was on a software building, we wanted Apex to prepare shop drawings for HVAC and Electrical packages including minor design modification on the site locations. Apex executed the project on time and delivered high quality drawings. We continue to work with Apex since then.

Solomon Raju
Senior Project Manager
Voltas

The quality of Apex's deliverables including design drawings and documents received by Archgroup have raised the standards of quality of the design drawings and documents going out of our office. Our search for a reliable and efficient off shore partner has now ended, having worked with Apex on the Silver Star Project.

Ashok Korgaonkar
Managing Director
Archgroup, Dubai

I really appreciate the quality work you are doing for us. Thanks again to the team for all the hard work they have put in to make this project a success.

Mike
MC Tech LLC, USA.

Our project has been a success thanks to your timely support, productivity, quality and understanding of the project. We are looking forward to continue our relationship.

Karthik
Engineering Manager – Electrical
Larsen and Toubro

Roland T. Morton, P.E.
Business Development Executive

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