



DESIGN SUPPORT

THE









Since Uppteam's founding in 2006, we have been dedicated to helping AEC firms grow through qualified and cost-effective remote staffing. With an operational division located in India and representative staff in the US, our unique model starts with a state-of-the-art training institute and provides continuous education for our architectural and engineering designers, resulting in exceptional design and construction document sets for clients. We work together to achieve huge cost savings and quick turnaround times by leveraging the benefits of a 24-hour international business.



MEET UPPTEAM



THE UPPTEAM ADVANTAGE

- \rightarrow Reduce deadline stress with 24-hour working efficiency
- → Grow through cost savings by employing Uppteam at a lower monthly rate and no overhead costs
- → Produce high-quality deliverables through exceptional internal quality control and adaption to your standards
- → Spend more time on business development and winning new work with a dedicated production team

The Value We Provide Starts with Our Team:

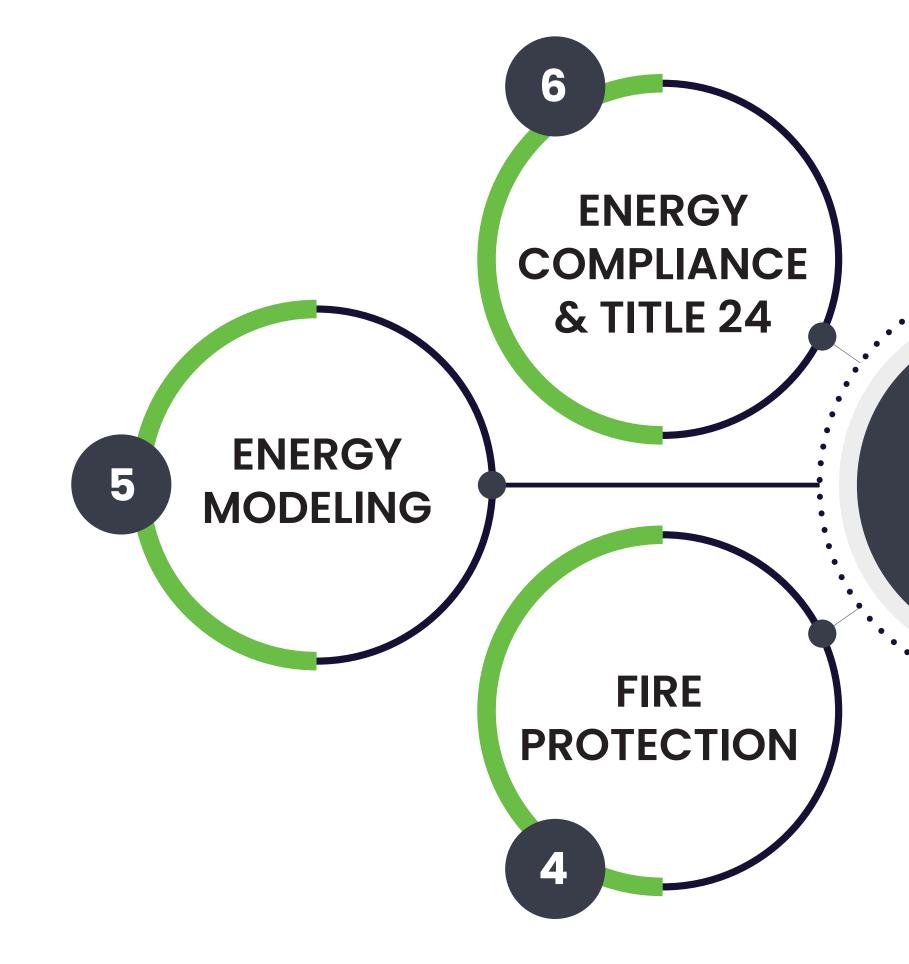
Our technical expertise consistently exceeds client expectations, from recruiting professionals with engineering degrees from accredited universities to ensuring every designer is certified in AutoCAD and REVIT and training our employees in the US standards and regulations. We also know the importance of communication when collaborating under tight deadlines. We invest in our team's professional development by hiring individuals with exceptional English communication skills and providing ongoing training by a dedicated in-house English tutor.



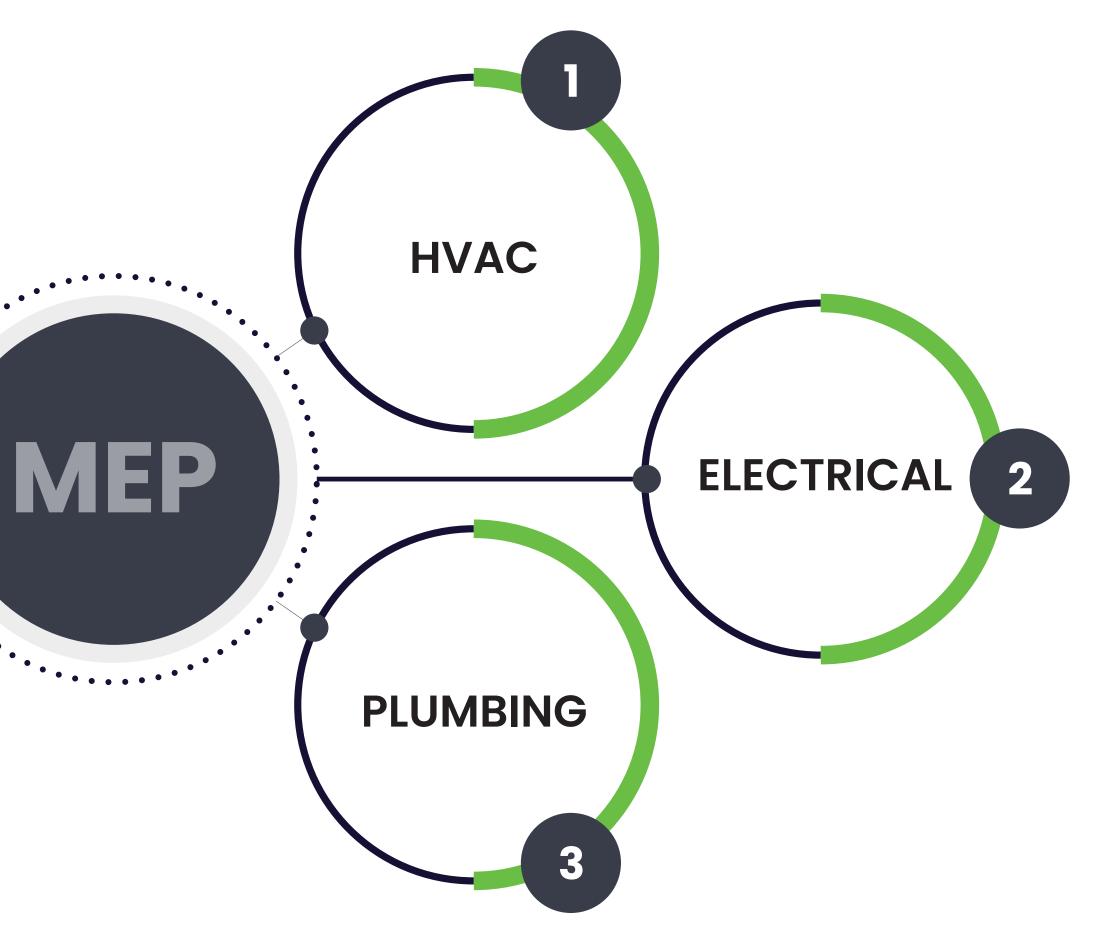




MEP DESIGN SUPPORT











MECHANICAL/HVAC

Uppteam works as an extension of your existing MEP Engineering Staff. Our highly trained engineers can deliver everything from calculations to complete construction documents and, finally, code-based energy calculations with minimal oversight from your team. Your in-house engineers completely control the design throughout the process, while your remote design team takes a huge load off of your production at lower costs.

HVAC LOAD & VENTILATION CALCULATION

HVAC ductwork layout ASHRAE standards

Mechanical piping layout with pipe sizing (CHW/HW/REF/COND)

Enlarged mechanical room plans

Sections for better clarity where one service crosses another

Fire and smoke damper as per Architect life safety plans and code

Mechanical room layout with consideration of clearance requirement of all equipment when equipment is in operation.

Coordinate power requirements with the electrical team

Coordinate BMS i/o points with ELV

Coordinate mechanical room/louver requirements with architect trade

Coordinate equipment/piping operating weight with structure trade



HVAC CALCULATIONS

Cooling/ heating load calculation

Ventilation calculation

Annual energy calculation

Duct static pressure drop calculation

Pump head calculation

Expansion tank sizing calculations

ASSIGN US MECHANICAL/ HVAC TASKS

Load, ventilation, air balance calculations Duct/piping/US equipment design Schedules & details Enlarged mechanical room plans/sections Flow & control diagrams

Structure & building clash detection





ELECTRICAL

POWER & SYSTEM DESIGN

Layout all power devices per Code and industry-standard system design per code

Electrical load calculations

Enlarged power plan design

Circuiting devices per panel

RISER DIAGRAM & PANEL SCHEDULES

Circuiting per proper breaker size

Complete all circuiting and verify the final panel sizes per the standard rating

Breaker sizing + AIC rating

Calculation per NEC demand factor for different load

Connected and demand load calculation per NEC

We calculate the incident energy and arc flash boundaries following the NFPA 70E, IEEE 1584 & NESC standards.

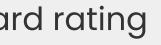
Don't just outsource



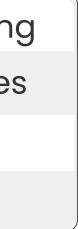
LIGHTING DESIGN & PHOTOMETRICS

Lighting plan design per required lumen with circuiting Lighting controls with energy code-compliant devices Emergency lighting design & photometric per code Complete fixture schedules per company standards











POWER SYSTEM ANALYSIS

We can give you a reliable design of a power system that saves costs by identifying and correcting system weaknesses efficiently and systematically. With SKM analysis, we will do a balanced load distribution to help your project live a long and safe life. If you require commercial or residential work to be done quickly and with an eye for quality, look no further than Uppteam. We have highly-trained, university-certified engineers working for both commercial and residential clients. We are highly efficient in delivering power engineering work at a given period of time.



Don't just outsource

LIGHTING DESIGN & PHOTOMETRICS

Lighting plan design per required lumen with circuiting Lighting controls with energy code-compliant devices Emergency lighting design & photometric per code Complete fixture schedules per company standards

ASSIGN US ELECTRICAL TASKS

Electrical preliminary calculation Lighting & power system design Riser & one-line diagrams Load calculations Design panel & Equipment Schedule Wire/ feeder sizing Short circuit/ voltage drop calculations Lighting photometric analysis Conduit fill calculations/ sizing Load flow analysis Compliance report Structure & building clash detection Electrical enlarged room plans/ sections



PLUMBING

PLUMBING DESIGN

Domestic water/sanitary/storm/hot water piping layout with riser diagram Water tank and pump room design Commercial kitchen design Compressed air/ natural gas piping layout and schematic diagram Condensate drainage system layout and schematic diagram Industrial waste piping layout Plumbing fixture and equipment selection Sump pit design

ASSIGN US PLUMBING TASKS

Water demand/ fixture load calculations Piping pressure drop and pump head calculations Schedules, quantity take-off, and details Water tank and pump room design Control diagrams and sequence of operations





Cold/hot water demand calculation Drainage fixture load calculations Stormwater calculations Pump head calculations Expansion tank calculations Compressed air system calculations Natural gas sizing and demand calculations Pipe sizing calculations (Water/Sanitary/Storm/Vent)

PLUMBING SCHEDULE

Plumbing fixture schedule
Hot water heater schedule
Domestic water/Booster pump schedule
Grease interceptor schedule
Sump pump schedule



FIRE PROTECTION

FIRE PROTECTION SYSTEM DESIGN

Sprinkler system and standpipe system Sprinkler system design in accordance to NFPA 13 Wet pipe sprinkler system design Dry pipe sprinkler system design Pre-action fire sprinkler system design Stand-pipe system design

ASSIGN US FIRE PROTECTION TASKS

Hydraulic calculations, gaseous system calculations

Sprinkler piping design

Fire protection system schedule

Fire pump room and tank with an enlarged plan

Schematic and riser diagram

Clash resolve with other services using Navisworks

Clean agent fire extinguishing system

Fire protection system calculation





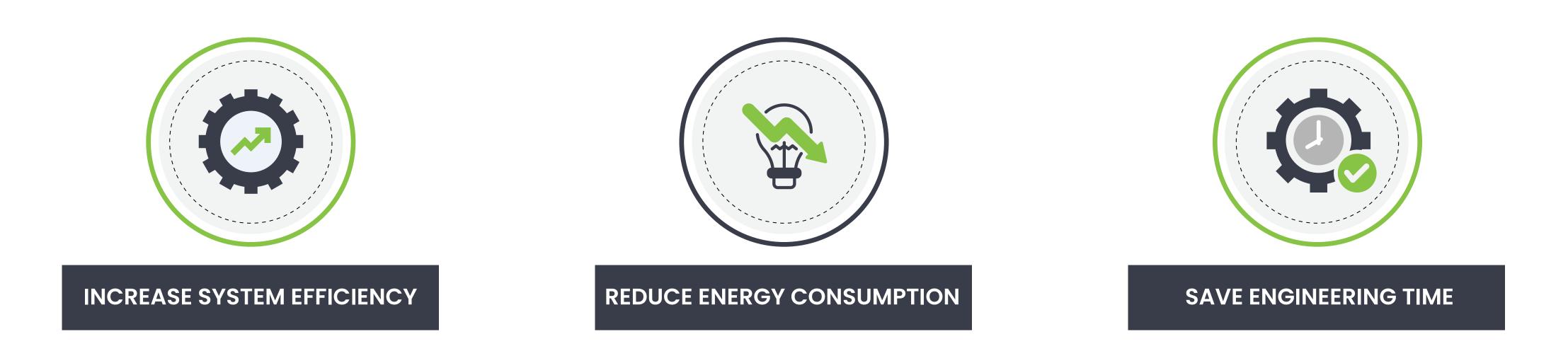






ENERGY MODELING

At Uppteam, we believe energy modeling is fundamental and essential to complying with continuously evolving building codes and sustainability rating systems. By identifying viable solutions, we can perform Energy Modeling using different design options, pushing environment-friendly technology, human comfort, lighting levels, airflow, and more. We use modern tools like eQuest, EnergyPro, Energy Gauge, Carrier HAP, Trane Trace, Chvac, and many more to match your company's standards. LEED ASHRAE & Energy Star compliance and reporting can be easily performed using our Energy Team.



We model buildings in accordance with all IECC, LEED, and ASHRAE 90.1 procedures & we model your building in any software.







ENERGY COMPLIANCE & TITLE-24

Uppteam's engineering designers can complete Title 24 energy calculations and compliance reports for your project. Whether it's residential or commercial, a renovation project, or a new project, we do it all. Using the software approved by the California Energy Commission, we ensure the highest accuracy of the calculations and compliance report.

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RESIDENTIAL T24 REPORT CF-1R

T24 REPORT CF-1R+ MANDATORY





FLOOR PLAN

3RD PARTY QC

Send your Uppteam QC Team a complete or interim set of documents from all trades, and we will perform a QC using a detailed checklist. The Uppteam team will send a marked-up PDF file and a spreadsheet of comments for your design team to review and update.

HOW WE WORK



Send us your CD set at any phase



Our team uses a deatiled checklist to verify CD



Your construction project goes smoother with less RFI delays & E/O costs



ASSIGN US QC TASKS

General & Title Sheets
Life Safety Sheets
Civil
Landscape
Demolition
Architectural
Structural
Electrical
Plumbing
Mechanical
Millwork and Details
Fire Protection
Fire Alarm
Technology
AV / Security



TESTIMONIALS



Uppteam has been a valued partner providing MEP design/drafting services. Teaming with Uppteam has allowed our firm to expand the quantity of work we are capable of producing, all while not sacrificing quality or the ability to meet scheduled deadlines. Our firm looks forward to continuing this relationship for years to come.

We've been using Uppteam for a few months now, and their deliverables are stellar. They take our registered point clouds and create Revit and CAD files that we can use right away. Their turnaround time is also very impressive. We often get things back faster than ever expected. I highly recommend them.

Kenneth L. Gonzalez, P. E., LEED AP McVeigh & Mangum Engineering, Inc

Bryan Clapper, Owner & Founder Clapper Structural Engineering, PLLC

Don't just outsource

The commitment and focus on meeting our expectations by Uppteam's leaders and engineers are excellent. They have completed MEP drafting, calculations, risers, photometrics, Revit drafting & much more for our firm. They pay attention to deadlines & get us to work back faster than we anticipate, which has helped tremendously. We highly recommend them.

We have enjoyed our relationship with Uppteam and have found them to be a vital partner in our MEP business. They have helped us streamline our operations and have added valuable resources that we have been able to pass on to our customers. We are looking forward to a continued partnership with Uppteam.

Cat O'melia, Administration Peterson Engineering Group LLC

Russ Cammack, Owner RB Marks Contructions, Inc



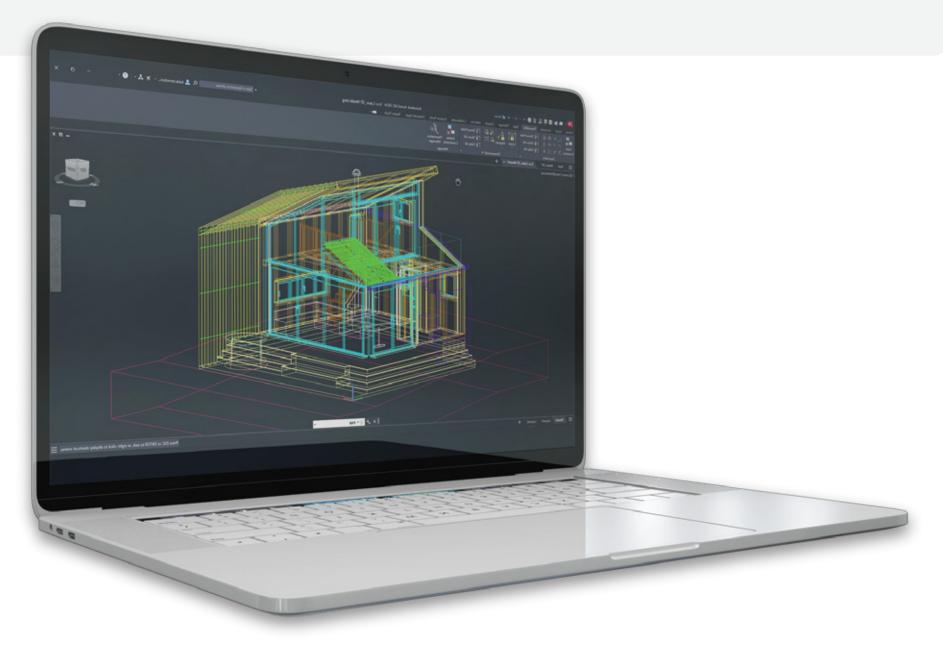




SOFTWARE EXPERTISE

Our professional architectural and engineering designers, CADD operators, construction estimators, administrative assistants, and quality control engineers are trained and skilled in utilizing the latest versions of industry software.

Need an expert in an application not listed? We are lifelong learners and adept at picking up new technology. Just let us know and we will be happy to look into it.













READY TO GET STARTED?

(+1)-407.619.6442

Architectural Design Support

3rd Party QC

MEP Design Support

Virtual Admin Services



CONTACT US TODAY!

uppteam.com

sales@uppteam.com

Structural Design Support

Home Design Modifications

Civil/ Survey Design Support

BIM / Clash Detection Services





