# ATA

## INTERNATIONAL CONSULTING & DESIGN SERVICES

www.ataicds.com

INTERNATIONAL
CONSULTING
& DESIGN SERVICES

# MEP SERVICES

INTERNATIONAL CONSULTING & DESIGN SERVICES

# About Us.

## Excellence in AEC Design Solutions

Our Commitment to Excellence

Affordable & Reliable MEP Solutions

More Than Just Design We're Your Extended Team

**15+** Client Served Across Global Markets

**500+** Professionally designed layout plans

**1k+** Hours spent in thorough detailing

**99%** Success in Delivering Customer

INTERNATIONAL CONSULTING & DESIGN SERVICES

# THE BENEFIT OF ATA

Reduce deadline anxiety with 24-hour productivity.

Reduce expenses by hiring ATA at a reduced monthly rate with no overhead expenses to grow.

Utilize outstanding internal quality control and conformity to your standards to generate deliverables of superior quality.

With a committed production team, devote more time to business development and securing new projects.

## Our Team Is the First to Deliver Value:

From hiring professionals with engineering degrees from recognized universities to making sure every designer is certified in AutoCAD and REVIT and educating our staff on US standards and laws, our technical expertise continuously surpasses client expectations. We are also aware of how crucial communication is when working together under pressure. By employing people with outstanding communication skills in English and offering continuous training from a committed in-house English tutor, we make an investment in the professional growth of our staff.

www.ataicds.com

INTERNATIONAL CONSULTING & DESIGN SERVICES

# HOW IT WORKS

## Onboard an amazing team in 4 simple steps

01

**Reach out to us**

02

**Discuss your project requirements and expectations**

03

**Finalize proposal**

04

**Let us bring it to reality**

INTERNATIONAL CONSULTING & DESIGN SERVICES

# MEP DESIGN SUPPORT

- ELECTRICAL
- HVAC
- PLUMBING
- FIRE PROTECTION
- ENERGY MODELING
- ENERGY COMPLIANCE & TITLE 24
- PHOTOMETRIC ANALYSIS

www.ataicds.com

INTERNATIONAL CONSULTING & DESIGN SERVICES

# HVAC Design Support

ATA is an extension of your current MEP Engineering Staff. Our highly skilled engineers can supply everything from calculations to comprehensive building documentation, as well as code-based energy calculations, with minimum oversight from your team. Your in-house engineers have total control over the design throughout the process,but our remote design team relieves a significant strain off of your production at a reduced cost.

- COOLING / HEATING LOAD CALCULATION
- VENTILATION CALCULATION
- ANNUAL ENERGY CALCULATION
- DUCT STATIC PRESSURE DROP CALCULATION
- PUMP HEAD CALCULATION
- EXPANTION TANK SIZING CALCULATIONS

INTERNATIONAL CONSULTING & DESIGN SERVICES

# ELECTRICAL

## 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 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

INTERNATIONAL CONSULTING & DESIGN SERVICES

# POWER SYSTEM ANALYSIS

ATA can provide you with a dependable power system design that saves money by detecting and fixing system problems in an efficient and methodical manner. With SKM analysis, we will perform a balanced load distribution to ensure that your project is efficient. If you need business or residential work done swiftly and at a high standard, look no further than ATA.We have highly qualified, university-certified engineers serving both business and residential clients. We are extremely efficient in completing power engineering projects within a competetive time frame.

## ASSIGN US ELECTRICAL TASKS

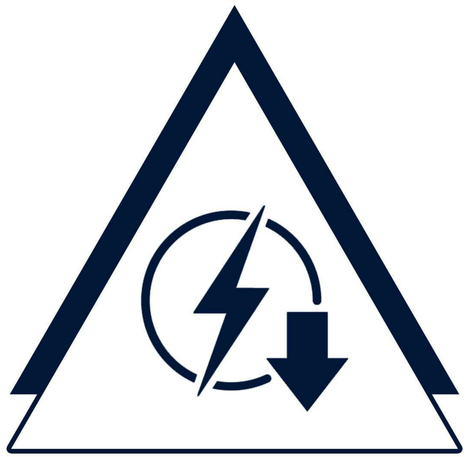
- Electrical preliminary calculation
- Lighting & power system design
- Riser & one-line diagrams
- Load calculations
- Design panel & Equipment Schedule
- Wire/ feeder sizing
- Short circuit/ voltage drop calculationst
- Lighting photometric analysis
- Conduit fill calculations/ sizing
- Load flow analysis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

INTERNATIONAL CONSULTING & DESIGN SERVICES

# ENERGY MODELING

At ATA, 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.

INCREASE SYSTEM EFFICIENCY



REDUCE ENERGY CONSUMPTION

SAVE ENGINEERING TIME

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

www.ataicds.com

# ENERGY COMPLIANCE & TITLE-24

ATA'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 local Energy Commission, we ensure the highest accuracy of the calculations and compliance report.

RESIDENTIAL T24 REPORT CF-1R


T24 REPORT CF-1R+ MANDATORY


FLOOR PLAN

# 3RD PARTY QC

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

## HOW WE WORK

01

Send us your Design set at any phase

02

Our team uses a deatiled checklist to verify CD

03

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

INTERNATIONAL CONSULTING & DESIGN SERVICES

# What Helped Us Move Forward

## Embracing Innovation in Technology

INTERNATIONAL CONSULTING & DESIGN SERVICES

# Contact Us.


+91 97374 57865
+1 (347) 819-7268

www.ataicds.com

info@ataicds.com

New York Office:
Lexington Ave,
New York, NY 10017

India Office:
Luharpole,
Shahpore,
Surat-395003