



ABOUT US

- **Airexsus®** We are a company based out of Miami, Florida that provides specialized engineering and design of high specification HVAC (Heat Ventilation Air Conditioning) projects.



- **Airexsus®** is part of a group of companies with 20 years of experience in the North American market.



- We specialize in serving many industries including pharmaceutical, electronic, food, oil & gas, healthcare and hospitality developing large scale projects for the most demanding customers.



STRATEGIC PARTNERS

Our customer portfolio includes the following industry leaders:



SUPPLIERS



CUSTOMERS





ENGINEERING SERVICES

One of our main values is the quality of the service, for which we maintain a relationship with our clients beyond the client-supplier binomial, integrating ourselves as part of their group of collaborators.

- **Heat Load Calculations using HAP**

Load calculation upon the relationship between the units of power, voltage, and current.

- **Heating & Cooling System Schematic Design**

User program, data and configuration.

- **HVAC Equipment Layout Design**

Detailed plan to manufacture, fabricate, assemble and install all the components of the structure

- **Duct Layout Drawings**

Concept for client's ideas and design.

- **Equipment Schedules**

Schedule and description of each piece of covered equipment.

- **Specific Mechanical Engineering Requirements**

We implement all mechanical engineering requirements with high capacitated personal.

ENGINEERING FOR THE FOLLOWING SYSTEMS

- **CHILLED WATER SYSTEMS:**

- Scroll type chillers.
- Absorption chillers.
- Screw type chillers.
- Controlled temperature and humidity systems.

- **DIRECT AND EXPANSION (DX)**

- **VARIABLE REFRIGERANT FLOW (VRF)**

- **HEATING**

- **VENTILATION**

- **FILTRATION**

- **AUTOMATION & CONTROL**

- **DUST COLLECTORS**



ENGINEERING DEVELOPMENT PROCESS



STEP 1 ENGINEERING DETAIL

MEP consultant requests engineering services from Airexsus, provides details and scope of the job.



STEP 2 REVIEW

Airexsus reviews it and comes back with questions if any.



STEP 3 DEVELOPMENT & REVISION

Airexsus develops the work and sends it back to the MEP consultant for review.



STEP 4 DELIVERY

MEP Consultant reviews, signs and stamps the work, and submits it to his/her customer.

"We build and architect solutions that address business challenges through engineering."

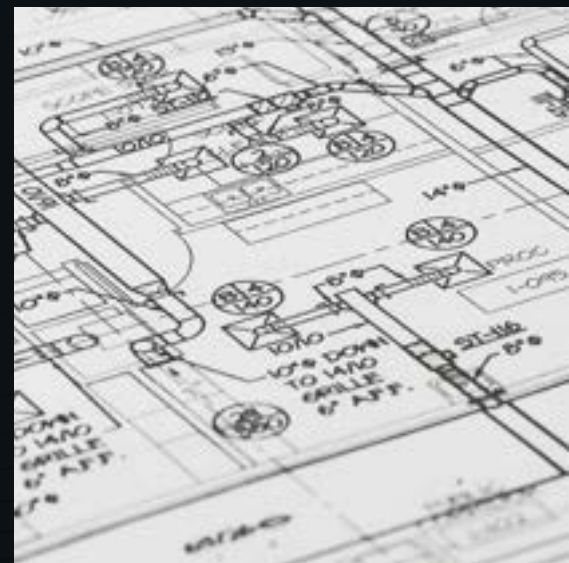
ENGINEERING TEAM TRAININGS

- Florida Building Code
- Design of ducts and air distribution
- Estimation and analysis of total loads
- Psychometrics applied to HVAC processes
- Ventilation systems and indoor environment quality
- HVAC Cold water central plants
- NAFA Certifications



SOFTWARE

- Energy Gauge
- REVIT
- AutoCAD
- HAP (load calculation)
- TraceSoftware
- Psychometric analysis chart





AIREXSUS

HVAC ENGINEERING SERVICES

// **FOR MEP CONSULTING ENGINEERS**

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