



HVAC Activity List

Our staff is capable to assist in all stages of Engineering, Procurement and Construction for the discipline “HVAC” for small and large projects as listed in detail below. Please do not hesitate to contact us if a specific HVAC activity is not listed.

FEED studies

- HVAC Design Philosophy
- General Arrangement Drawings
- Ducting & Instrumentation Diagrams (D&ID's)
- P&ID's for heating and cooling medium systems
- Interface diagrams HVAC Control system
- Budget estimates

Detailed design

- HVAC Specifications (ducting / equipment)
- Heat and Cooling load calculations (static as well as dynamic calculations)
- Pressure loss and noise calculations ductwork
- Pressure loss calculations piping for heating and cooling mediums
- Control and balancing valve selections
- Duct Layout drawings and cross sections
- Layouts for HVAC Instrumentation
- HVAC Plant room layouts
- Mounting details for supports, insulation etc.
- Selection of HVAC equipment (Chillers, Air handling Units, HVAC piping appendages, dampers, attenuators, grills, diffusers, HVAC Instrumentation, etc.)
- HVAC Control System Specification
- I/O lists, alarm lists for HVAC Control panel design
- System Control Diagrams (SCD's)
- Load lists for HVAC MCC design
- Cable lists for HVAC instrumentation and power cables
- Material Take Off (MTO)
- HMI Layouts
- Detailed design estimates

Procurement

- Enquiries/Requisitions for HVAC systems/equipment
- Bid evaluations

Construction

- Construction drawings duct pieces
- Construction details
- Construction planning
- Variation order estimates
- Queries construction team

Commissioning

- Commissioning procedures
- FAT/SAT HVAC equipment (HVAC Control panels, Chillers, Air handling Units etc.)
- Start up procedures HVAC systems
- Air flow balancing procedures
- Heating and cooling medium balancing procedures

Trouble shooting

- Investigations / calculations / recommendations
- Test procedures / testing (onshore)