

Turning Great Ideas into Great Projects

Mechanical & HVAC - Typical Documents



ATH-Præzis is able to offer quality engineering work demonstrated through engineering documentation. Typically, the documents prepared by engineers, designers and draftsmen fall in the headings given here. Actual document nomenclature of engineering and design documents varies; ATH-Præzis takes care to employ Client's document protocols for each awarded project.

- Plant 3D Model incl. Civil & Structures, Piping, Electrical, Equipment & Controls
- Main Plant Items Conceptual Layouts
- Equipment Location & Layout Plan
- GA: Skid & Equipment General Arrangement Drawings
- General Specifications: Rotating Machines
- General Specifications: Static Equipment (Vessels, Tanks)
- Mechanical Design Calculation Report (Static Equipment)
- Equipment Sizing & Selection Report (Rotary Equipment, Packaged Equipment)
- HVAC Selection & Sizing Report
- Static Equipment Schedule
- Rotary Equipment Schedule
- Skids & Packaged Equipment Schedule
- Technical Specifications: Vessels
- Technical Specifications: Pumps/Trills, Diffusers
- Technical Specifications: Storage Tanks
- Technical Specifications: Compressors
- Technical Specifications: Heat Exchangers, Coolers
- Technical Specifications: Processing Machinery
- Technical Specifications: HVAC Equipment
- Pressure Vessels Register
- Critical Machines Register
- Mechanical Data Sheet: Static Equipment
- Mechanical Data Sheet: Rotating Equipment
- Mechanical Equipment & Material Requisitions
- BoQ: Mechanical Bill of Quantities
- BoM: Mechanical Bills of Materials
- RFQ: Request for Quotations
- Ductwork Plot Plans
- GA: Ductwork General Arrangement Drawings
- HVAC Conceptual Layouts
- Ductwork Key Plans
- Ductwork Data Sheets
- Ductwork List
- Ductwork Index
- Ductwork Material Specifications
- Ductwork Construction Specifications
- Specifications: Duct Supports
- Ductwork Design Calculation Report

For Buildings, the documentation covers MEP, HVAC and BMS to co the architectural, structural and civil engineering. For industry, oil & gas, petrochemicals, drawings are prepared also for pigging systems, chemical injection skids. Engineering work covers towers, flare Stacks, and chimneys. For energy sector, engineering and design includes sub-stations, transmission and distribution lines. ATH-Præzis is also able to offer design for process control system, fire detection and protection systems, emergency shutdown system, modulating systems, Communications & Data Communications

Partner for **Perfect Advantage**

For more information, please contact your local ATH-Præzis representative or visit:
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