

Turning Great Ideas into Great Projects

Instrumentation & Controls - 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.

- Control Philosophy & Control Narratives Document
- Control Logic & Loop Diagrams
- Control Room & Rack Room Design Layouts
- Plant & Field Instruments Index
- Plant & Field Instruments Location Plans
- Fire & Gas Detection Location Plans
- Instrumentation Control Cables Layouts Plans
- Communication Layout Plans (CCTV, Public Address, Telephone System)
- Data Communication & Fibre Optic Layout Plans
- Key Instrumentation Tubing Plans
- Instrumentation & Controls Design Calculation & Cable Sizing Report
- Instrumentation Controls Schematic Drawings
- System-wise Input / Output Lists
- Instrumentation Controls Wiring & Interconnection Diagrams
- Instrumentation Controls Termination Schedules
- Cable Block Diagrams: Plant & field Instrumentation
- Cable Block Diagrams: Fire & Gas Detection
- Instrumentation Controls Cables Schedule
- Instrumentation & Controls Construction Specifications
- Specifications: HMI, DCS, RTU, PLC & Control Panels
- Specifications: Plant & Field Instruments (Control Valves, Analysers & Field Devices)
- Specifications: Fire & Gas Detection System
- Specifications: Instrumentation Controls Cables
- Specifications: Instrumentation Controls Fittings, Materials
- Specifications: Cable Racks & Trays
- Specifications: Communication (CCTV, Public Address, Telephone System)
- Specifications: Data Communication & Fibre Optic
- Critical Instrumented Protection System Register
- Data Sheet: Plant & Field Instruments (Control Valves, Analysers & Field Devices)
- Data Sheet: Junction Boxes, Terminal Boxes
- Data Sheet: Communication & Data Communication

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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