

Altran Solutions Corp provides the highest quality services in all engineering disciplines to utility, industrial, commercial, and institutional customers. Altran Solutions performs services in three ways: **Engineering and Design Services; Staff Augmentation; or Engineer, Procure and Construct (EPC) Projects.**

ELECTRICAL & CONTROLS

- Arc Flash
- Existing System Analysis
- Feasibility Studies
- Power Upgrades
- Emergency Power Systems
- Exterior and Interior Lighting
- Instrument and Equipment Specifications
- Substation Design and Installation
- DSC, PLCs, and CEMs Design/Installation
- Lightning Protection/Grounding
- Complete Electrical Design Packages

CIVIL

- Site Planning
- Code Reviews and Compliance
- Permit Applications
- Hydraulic and Hydrologic Studies
- Water Supply Treatment & Distribution
- Storm Water Management Facilities
- Sewage Collection and Treatment Systems
- Above/Underground Storage Tanks
- Roadway & Parking Lot Design

PROJECT MANAGEMENT

- Contract Development and Administration
- Procurement and Subcontractor Services
- Cost Tracking and Control
- Scheduling
- Project Reporting
- Decommissioning and Demolition

CONSTRUCTION MANAGEMENT

- Constructability Reviews
- Construction Site Management & Control
- Start-Up Coordination
- Contract Compliance
- Inspections
- As-Built Records

MECHANICAL

- Energy Audits & Cogeneration Studies
- Conceptual Design Studies
- Evaluation of Existing Equipment
- Sizing and Selection of Mechanical Equip.
- P&ID and System Descriptions
- Heating, Ventilation, and Air Conditioning
- Fire Detection and Suppression
- Piping Design and Pipe Support Analysis

- Fuel Storage and Gas Distribution Systems
- Complete Mechanical Design Packages

REFINING & PETROCHEMICAL

- Process Design
- Equipment Sizing and Specification
- Mass and Energy Balances
- Cost Estimates
- Process Plant Field Audits and Instrumentation Surveys
- Comprehensive Construction Packages, Civil/Structural, Mechanical, Electrical and Instrumentation
- P&IDs, Flowsheets, Design/Drafting
- HAZOP and Process Hazard Analysis
- Hazardous Area Classifications for Industrial Plants

NUCLEAR

- Flow Acceleration Corrosion
- Seismic Analysis
- Piping and Piping Systems
- Failure Lab
- In-Service Testing
- AOV/MOV
- Procedure Writing
- Equipment Reliability

STRUCTURAL & ARCHITECTURAL

- Condition Surveys
- Renovation and Repair
- Foundation Design and Analysis
- Building Design and Layout
- Steel and Concrete Structures
- Waterfront Facilities
- Piping and Conduit Supports
- Architectural Design
- Seismic Design and Analysis

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