



KAIROS
PROJECT
GROUP, INC.

About Kairos

Capabilities

Solution Process

kairos

noun | kai · ros | \(')kī|räs\

: a time when conditions are right for the accomplishment of a crucial action : the opportune and decisive moment

Capabilities

Solution Process

Timing is everything.

We provide engineering services to promote improvements of business infrastructure with an understanding of critical schedule.

Our mission is to provide world class engineering and design services for today's demanding business goals. Our approach to consulting and design services provides a fresh perspective based on an all-inclusive criteria to provide sustainable, cost effective, constructible designs.

Engineering Licensure in NC, VA, SC, & PA.

KAIROS PROJECT GROUP, INC.

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NC Firm # C-3824

Members of the following professional organizations:



Engineering and Architecture Design Capabilities:

- **Mechanical:**

HVAC, Machine Design, Conveyor/Material Handling, Materials Specification and Failure Mode Effects Analysis, Piping Materials and Insulation, Fire Protection and Life Safety

- **Electrical:**

Low Voltage to Medium Voltage, Motor Control Centers, Panel Boards

- **Process:**

Packaging/Process Design, Process Planning, Storage Solution, Ergonomics, Energy Study and Analysis

- **Plumbing:**

Waste/Sewer/Piping, Fixture Selection and Planning, American Disabilities Act Compliance, Facility Delivery

- **Process Utilities:**

Design of Chillers/Cooling Towers, Compressed Air/Gas, Steam/Condensate, Hygienic (WFI, USP, Clean Stream, RO, Pretreatment) Heating Hot Water

- **Structural:**

Design of Racking, Cat Walk/Mezzanine, Pipe Bridges

- **Safety:**

Crane/Hoist/Rigging Review and Planning, Indoor Air Quality, Personnel/Machine Safety, Accident Reduction and Prevention

- **Automation:**

Process Control and Automation Planning, Compliance Protocols, Control Panel Design, PLC, SCADA, Networks, Loop Sheets, Building Systems, HMI / Screen Development, Single Loop and Relay Logic, Interfaces with Equipment, Instrument Selection / Procurement, Hardware Specification, Start-up Services

- **Construction/Project Management:**

Site Supervision of Project Construction, Startup Services, Staff Augmentation, Commissioning, Validation Support



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Our Solution Delivery Process

Project Identification

- Project Planning and Scope of Work

Project Requirements

- Project Goals and Capital Budget

Project Definition

- Engineering and Design Options
- Refine Budgets

Project Acceptance

- Review of Engineered Drawings
- Review of Project Documents
- Authorities Having Jurisdiction Review

Project Implementation

- Contractor Selection
- Project Management
- Project Delivery Review

Project Delivery

- Start-up
- Commissioning
- Validation Support

Project Turnover