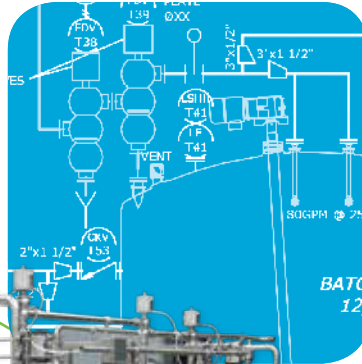


# WRIGHT

Process Systems

Engineering • Installation • Service



**Innovation**  
in process solutions for today's leading  
**FOOD & BEVERAGE**  
**COMPANIES**

# Wright Process Systems: Your Partner in Total Process Improvement

For more than 20 years, Wright Process Systems has been a dedicated partner to the food, beverage, and chemical processing industries. We provide comprehensive design/build services for process plants, including process engineering, parts distribution, system installation, industrial construction, and ongoing service.

Based in California, Wright Process Systems serves all of the Western States. We maintain complete engineering, construction, and onsite installation teams that can scale up or down depending on the requirements of each project, from just a couple consultants to a full-scale plant construction crew. Calling on diverse experience with cross-industry design, as well as extensive knowledge of process theory and equipment mechanics, we are adept at innovating new solutions that provide the highest level of process efficiency, dependability, and cost-effectiveness.

Most important, Wright Process Systems is committed to your enduring success. We are a family-run business with a strong reputation built up over many years of hard work and honest service. We offer a comprehensive partnership to companies seeking to optimize their processes and maximize their efficiency. Your process is unique, and at Wright Process Systems we are dedicated to customizing a solution that works just for you.

## The Wright Advantage

Every new working relationship with Wright Process Systems begins with a collaborative discovery and design phase called The Wright Advantage. During this process, our team works with you closely to review your entire system and determines not only your immediate needs but also the best solution for the future. Based on this dedicated technical partnership, The Wright Advantage process typically yields significant long-term cost savings and dramatic efficiency improvements when compared to one-off project offerings.

## The Wright Solution

The Wright Solution is the execution stage, during which we implement the technical plan formulated during The Wright Advantage. By looking at your operation comprehensively, we pinpoint inefficiencies and identify opportunities for improvement. Then our skilled process engineers and onsite installation professionals apply a range of solutions to help your process system function at an optimized level. The Wright Solution is the driving force behind our ultimate goal: your total process improvement.



# Focus on Process Excellence: Specialized Service Divisions

## Engineering

Wright Process Systems offers plant-wide industrial engineering for projects ranging from complete plant designs to minor modifications of existing systems.

- Process, utility, and AE/MEP engineering
- Conceptualization through constructible design details
- 2D, 3D, and 4D CAD design technologies
- FDA, USDA, 3A, CBC, and other strict regulatory compliance



## Field Installation

Wright Process Systems' Field Installation team completes all new system installation and upgrade projects in compliance with all OSHA, GMP, and plant-specific requirements.

- High-purity and fully sanitary system expertise
- Initial build-outs
- OEM skid installations
- Service repairs
- Balance-of-plant integrations



## Industrial Construction

Wright Process Systems incorporates full Industrial and general construction services capable of building complete processing plants from the ground up.

- Licensed general engineering contractor
- Concrete work, grading, excavation, site preparation
- General construction and finishing
- New buildings, plant additions, renovations, demolitions, and code upgrades



## Parts and Distribution

Wright Process Systems is an industrial distributor of sanitary processing equipment, offering components, fittings, and accessories for a wide range of systems.

- Wide selection from many manufacturers
- Unique and specialty equipment
- Replacement parts
- Engineering expertise for optimum guidance



## Continuous Process Improvement

Wright Process Systems is your total partner in process system optimization and continuous improvement. With comprehensive capabilities in engineering, installation, construction, and equipment procurement, we can help from planning through change implementation, construction, and startup. From our initial discovery and design stage, we work with you to identify all opportunities for improvement. Then we employ innovative process engineering, audits, studies, capital planning, functional reviews, and equipment upgrades to create a system that achieves your goals.

# The Wright Solution in Action

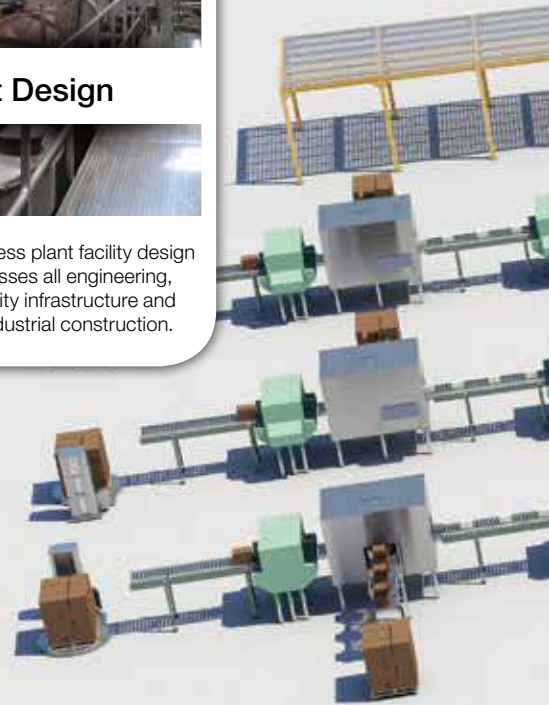
Wright Process Systems is unique in the food process industry in that we can provide the entire scope of work required to design, build, and optimize a modern processing plant. From the conceptual design to the industrial construction, we offer everything you need to produce your quality food or beverage product.



## Plant Design



Ground-up process plant facility design that encompasses all engineering, fabrication, utility infrastructure and piping, and industrial construction.



## Turn-Key Solutions



Complete design / build projects from concept to commissioning, including all technical engineering, permitting, procurement, general construction, installation, and startup support.



## Process Engineering



Full process engineering with innovative system design for solids, powders, liquids, gases, slurries, and more. From raw agricultural products to aseptic dairy formulas.



### Industrial Engineering



Complete system engineering for industrial systems, including equipment specifying, upgrade evaluation, workflow streamlining, system optimization, safety improvements, and quality improvements.



### Utility Engineering



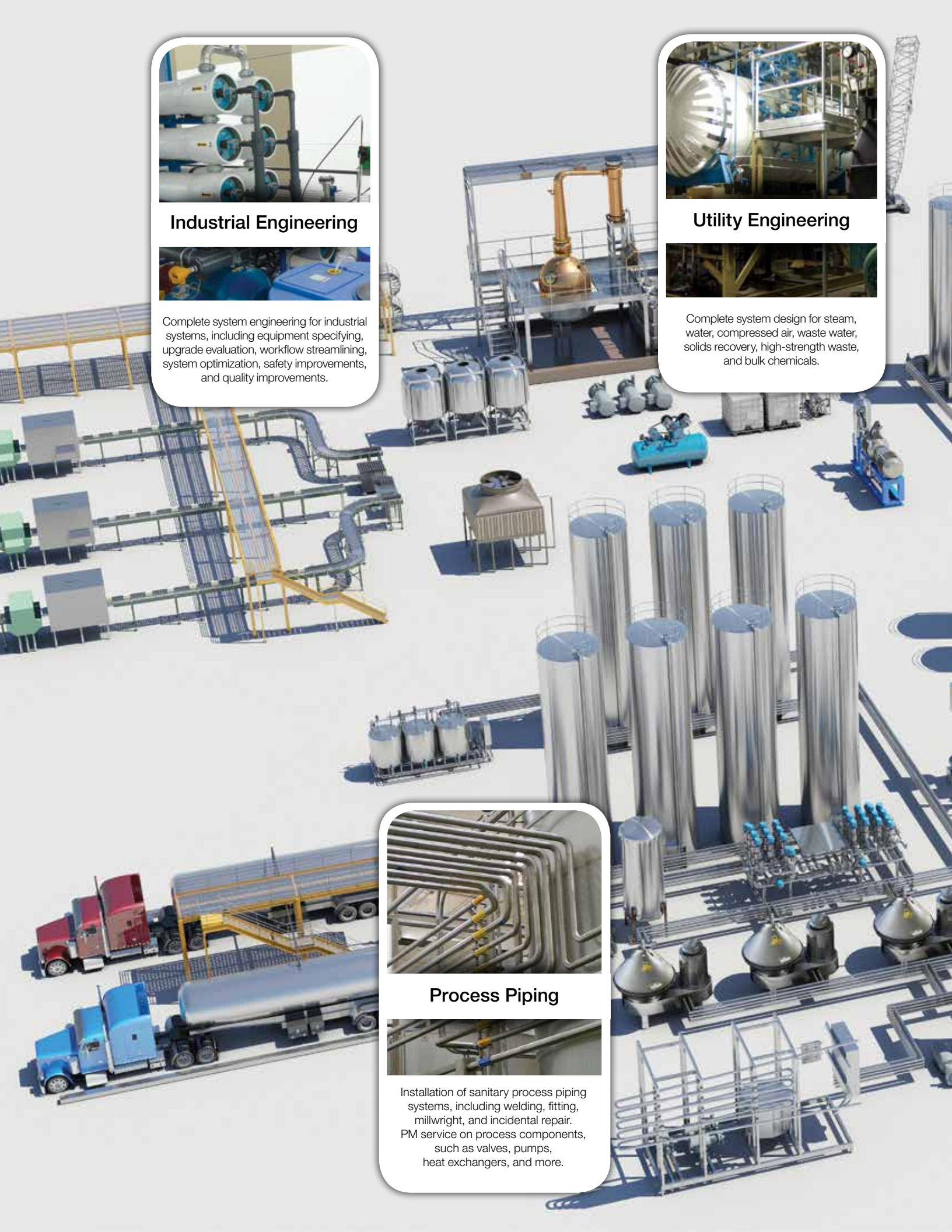
Complete system design for steam, water, compressed air, waste water, solids recovery, high-strength waste, and bulk chemicals.



### Process Piping



Installation of sanitary process piping systems, including welding, fitting, millwright, and incidental repair. PM service on process components, such as valves, pumps, heat exchangers, and more.





### Field Service & Troubleshooting



Diagnostic and repair services for all process system elements, including process and utility valves, hydraulic circuits, heat exchangers, pumps, motors, tanks, piping, and more.



### Millwright & Fabrication



Custom fabricated components ranging from small parts / fittings to complete sheet metal or structural assemblies, including leveling, anchoring, and supporting details.



### Audits & Studies



Professional evaluations such as load balances, mass balances, workflow, material handling, automation, project feasibility, OSHA compliance, and energy (hydraulic, thermal, electrical) efficiency.



### Process Automation



Comprehensive automation and control solutions for any scale process, with control systems, PLC and HMI programming, control panel assembly, motor control systems, and industrial networks.



### Startup & Training



Integration, testing, and startup of new process systems, coupled with comprehensive training and support of your operations staff.



### Industrial Construction



Licensed general engineering contractor providing design / build projects from green field to operating facility, with all permitting, trade work, and code compliance.

## Mission Statement

Wright Process Systems operates as an engineering, sales, and installation firm in the food process industry. We provide our customers with the highest level of process efficiency, dependability, and cost-effectiveness through proven excellence with food process and control solutions.

**We exercise an extensive collective knowledge of process control theory and equipment mechanics.**

Wright Process Systems is defined by satisfied customers in each field we serve. We work together with each client to optimize their overall performance by seamlessly integrating each new system into the overall process scheme.

We are engineers, designers, consultants, and most important, partners in your development.

## Project Capabilities

- Complete design/build process and utility systems
- Full process and mechanical engineering services
- Process automation, integration, and control
- General construction
- Full plant design
- Equipment and part sales
- Project management
- Design services through our complete 2D and 3D CAD department
- Sanitary process piping, mechanical, millwright, and structural field installations
- Pre-fabricated OEM systems

**For more information on our project capabilities, please visit our website at [www.wrightps.com](http://www.wrightps.com)**

Proud members of:



## TURN-KEY SOLUTIONS:

**MODULAR SYSTEMS** — CIP/COP, Ultra Filtration, Pasteurizers, Metering & Batch Systems, Hot Water Sets, Heating & Cooling Systems

**PROCESS SERVICES** — Process Engineering, Efficiency Analysis, Automation Design, Process Engineering

**GENERAL CONTRACTING** — Project Management, Permitted Construction, Facility Modifications, Site Improvements

## PROCESS SYSTEM INSTALLATION:

**SANITARY PROCESS PIPING** — Stainless Steel Polished Tubing, Exotic Alloys (such as AL-6XN)

**UTILITY PIPING** — Steam, Air, Water, Refrigeration, Condensate, Treated Water, Wastewater

**CHEMICAL PIPING** — Double Containment, CPVC & PVC, Chemical-Compatible Materials

**SPECIALTY FITTINGS & TUBING** — Thermoplastic Fittings & Valves, Pre-Insulated Refrigeration Piping

## FABRICATION:

**STRUCTURAL** — Catwalks, Platforms, Cross Overs, Work Decks, Mezzanines

**SHOP FABRICATION** — Production Fabrications, Specialty Fittings, Flow Panels, Small Vessels & Hoppers, Skid-Mounted Systems

**MATERIALS** — Stainless Steel, Mild Steel, Black & Ductile Iron, Galvanized, Aluminum, Copper, Polymers, Exotic Metals

## REGULATORY EXPERIENCE:

**FOOD REGULATIONS** — 3A, FDA, USDA, PMO, EHEDG, HACCP, CFR Title 21

**SPECIAL ENVIRONMENTAL REGULATIONS** — Explosion Proof, Intrinsically Safe, High-Hygiene

**CONSTRUCTION REGULATIONS** — California Building Code, UBC, NFC - NEC, Title 24

**SAFETY COMPLIANCE** — ISN Network, Cal/OSHA

## TECHNICAL SERVICES:

**ENGINEERING** — Reverse Engineering, Project Management, Consulting, Site-Specific Design, Process Engineering

**CAD DESIGN** — 2D & 3D Mechanical, Architectural, Electrical & Structural Drafting, Full-Scale 3D Modeling

**FIELD SERVICES** — Full Installation, Rigging & Setting, Repair & Service, Emergency Service

## PROCESS EQUIPMENT:

**TANKS & VESSELS** — Stainless Steel Products; Storage Silos; Mix, Batch, Blend & Use Tanks; CIP Tanks, Processor Vessels; Cooker / Cooler; Vessels & Kettles; Vacuum Vessels, Retrofit Systems

**HEAT TRANSFER** — Plate Heat Exchangers, Scraped Surface Heat Exchangers, Spiral Tube Heat Exchangers, Shell & Tube Heat Exchangers, CIP Heat Exchangers, Jacketed Vessels, Ice Cream Freezers, Coiled Tubular Heat Exchangers, Flash Coolers, Evaporative Coolers

**BLEND & BATCH** — Mixing Systems, Dosing & Ingredient Addition, Sizing, Cooking & Cooling, Dispersion, High Shear

**PASTEURIZATIONS** — HTST, HHST, UHT, Aseptic, ESL, Batch/Vat; for Dairy, Juice, Water & other Products

**PRE-PROCESS** — Sizing, Sorting, Centrifugal Separators, Clarifiers, Bacterial Removal Centrifuges

## PROCESS COMPONENTS:

**PUMPS - SANITARY & INDUSTRIAL** — Positive Displacement & Rotary Lobe Pumps, Centrifugal Pumps, Peristaltic Pumps, Diaphragm Pumps, Shear Pumps, Metering Pumps, Vacuum Pumps, Motors & Gear Reducers, High Pressure Pumps

**VALVES - SANITARY & INDUSTRIAL** — Single Seat Air Actuated Valves, Mixproof Air Actuated Valves, Aseptic Air Actuated Valves, Modulating Valves, Control Valves, Regulators & Safety Valves, Manual Valves

**AGITATION & DISPERSION** — Mixers & Agitators, High Shear Mixers, Colloid Mills

**FILTRATION** — Sterile Air & Steam Filtration, Rotary Drum Strainers, Inline Filters & Strainers, Multi-Plex Filter Banks

**SPECIALTY ITEMS** — Loading Rack Technology, Bulk Handling Equipment & Systems, Static Mixers

**SPECIALTY EQUIPMENT** — Steam Boilers & Steam Generators, Magnetic Separators

**MISC** — Sanitary Hose Assemblies, Sanitary Gauges, Stainless Steel Pipe & Tube Fittings, Hose Stations (Single Media & Mixing)

## AUTOMATION & CONTROLS:

**INSTRUMENTATION** — Level, Flow, Temperature, Pressure, Analytics (pH, Conductivity, Turbidity), Gauges, Switches & Transmitters, Batching & Continuous Metering Systems, Analytical Instruments, Dedicated Controllers & Analyzers

**CONTROL SYSTEMS** — PLC Automated Control Systems, Control Panels, HMI Programming

**NETWORKS** — ASI, DeviceNet, Foundation Fieldbus, Profibus, HART, Ethernet, ControlNet

**PLATFORMS** — Allen-Bradley Logix Family, SLC, PLC 5, Distributed I/O, Flex I/O, Siemens Simatic, Square D Symax, Wonderware

## MATERIAL HANDLING:

**MATERIAL HANDLING SOLUTIONS** — Drum & Tote Unloading Systems, Metering Stations, Automated Conveying & Packaging Systems

**POWDER DELIVERY** — Powder Bag Unloading Systems, Pneumatic Conveyance Systems, Fine Solids & Granular Handling Systems, Inclusion Addition Systems

**QUALITY MONITORING** — Metal Detection, Analyze & Reject Systems, Mag Traps & Mag Filters



SCOTT TURBON MIXER, INC.  
HIGH PERFORMANCE MIXING SYSTEMS

# WRIGHT

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Engineering • Installation • Service

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