



TAKING SOLUTIONS FURTHER[®]

FOOD & BEVERAGE DESIGN-BUILD SERVICES



Integrated Approach

By enabling construction to begin sooner and accelerating project delivery, Stellar's fully integrated team of architects, engineers, and construction managers eliminates silos and optimizes performance. With all disciplines involved early, our collaborative approach ensures preconstruction services align seamlessly with design development.

PLANNING & PRE-CONSTRUCTION

- » Scope & Development
- » Master Planning
- » Site Selection & Feasibility Studies
- » Budgeting & Cost Estimation
- » Long-Lead Item Identification & Procurement
- » Permitting & Regulatory Compliance
- » Phasing & Scheduling

CONSTRUCTION & PROJECT MANAGEMENT

- » General Contracting Services
- » Construction Management (Agency & At-Risk)
- » Early Contractor Involvement (ECI)
- » Trade Contractor Management
- » Start-Up & Commissioning
- » Owner Training & Turnover
- » Quality Assurance & Safety Management

BUILDING & INFRASTRUCTURE ENGINEERING

- » Architectural & Interior Design
- » Civil & Structural Engineering
- » Mechanical, Electrical & Plumbing (MEP) Engineering
- » Refrigeration System Design & Engineering
- » Building Information Modeling (BIM)
- » Material Handling Systems Design
- » Wastewater Treatment Design
- » Sustainability & LEED Consulting
- » Food Safety & Sanitary Design

PROCESSING & PACKAGING

- » Process Design & Engineering
- » Process Project Development
- » General Layouts of Equipment
- » Process Building Design Coordination
- » Equipment Specifications & Procurement
- » Electrical Controls & Automation
- » Equipment Installation
- » Start-up & Commissioning

Stellar is consistently ranked nationally among top design firms by Engineering News Record (ENR).

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SELF-PERFORMANCE SERVICES

We self-perform critical scopes—including thermal systems, refrigeration, electrical, and mechanical work—allowing us to maintain direct control over quality, schedules, and project costs. By handling these key trades in-house, we reduce reliance on subcontractors, streamline coordination, and ensure consistent execution across every phase of construction.

Refrigeration

Stellar boasts unparalleled refrigeration expertise and innovative solutions offering design, installation, PSM, automation, as well as parts & service support.

- » Refrigeration & Automation Engineering
- » Condensation, Air Balance & Energy Audits
- » Ammonia, CO2 & Freon Systems
- » Automation & Electrical Controls
- » Ductwork & Insulation
- » Pre-Fabrication
- » Modular Systems
- » PSM

Building & Thermal

Our focus on the vapor integrity and energy efficiency of the building envelope is crucial for the performance of low-temperature facilities.

- » Insulated Metal Panel Walls & Ceilings
- » IMP Ductwork
- » Single-Ply Membrane Roofing Systems
- » Underfloor Insulation Systems
- » Low Temperature & Specialty Doors

Mechanical & Utility

Plumbing, HVAC & utility piping capabilities complement those of our refrigeration group to provide complete mechanical scope coverage.

- » Sanitary & Process Waste Plumbing
- » HVAC Systems
- » Pre-Fabrication & Modular Capabilities
- » Domestic, Chilled & Process Water
- » Steam & Condensate
- » Compressed Air & Natural Gas
- » Chemical & Hydraulic

Electrical

A full-service electrical contractor that covers your entire electrical infrastructure needs, working in close collaboration with internal design and self-performance teams.

- » Power Feeder Distribution
- » Electrical Gear & Equipment
- » Lighting & Lighting Control Systems
- » General Power & Branch Circuitry
- » Refrigeration & Mechanical Power & Branch Circuitry
- » Refrigeration Control Wiring
- » Grounding & Bonding

Wastewater Treatment

Analyze types of production, production volume, sanitation, daily water volume, peak water volume, wastewater characteristics, as well as city discharge limits, surcharges, and penalties for excessive flows, extreme pH, fats, oils, and grease.

- » Evaluate objectives for current production and future growth
- » Design and estimate multiple alternatives that provide ROI for evaluation and selection
- » Equipment specs, procurement, and installation
- » Automation/controls
- » Startup and commissioning
- » Training
- » Remote monitoring



LOCATION	COMPLETION YEAR	PROJECT SIZE
Columbia, MO	2023	315,000 SF

PROJECT

JBS Prepared Foods—Principe

This 315,000-sq-ft greenfield facility processes dried meats from raw to ready-to-eat using advanced automation. Raw products enter Unit 1, move via AGVs to drying in Unit 2, then to RTE Units 3–5 for slicing, packaging, and shipping. It produces salami, prosciutto, and more, and includes R&D labs, a show kitchen, pilot testing, and separate staff areas.



AWARDS & RECOGNITION



PROJECT

Bell & Evans Chicken Harvesting Facility—Plant 3

Design and construction of an award-winning, state-of-the-art organic and humane chicken harvesting facility featuring sustainable systems, advanced automation, ammonia refrigeration, and reconditioned water reuse. Includes corporate offices and employee welfare spaces.



LOCATION	COMPLETION YEAR	PROJECT SIZE
Fredericksburg, PA	2022	411,500 SF

AWARDS & RECOGNITION



LOCATION	COMPLETION YEAR	PROJECT SIZE
San Antonio, TX	2020	315,000 SF

PROJECT

Cuisine Solutions Sous Vide Processing Plant

Stellar designed and built this 315,000 SF sous vide facility for Cuisine Solutions, capable of cooking/chilling 255,000 lbs/day. Features include dual processing lines, ammonia refrigeration, and sustainable elements like solar panels, EV chargers, xeriscaping, and water-saving systems.



AWARDS & RECOGNITION



PROJECT

Americold Refrigerated ASRS Distribution Center

Design-build addition to Americold’s Russellville facility featuring a 140-foot-tall, 136,000 SF structure with state-of-the-art automation. Includes ammonia refrigeration, IMP walls, and an ASRS with gantry and monorail integration for efficient warehouse-to-dock operations.



LOCATION	COMPLETION YEAR	PROJECT SIZE
Russellville, AR	2023	135,991 SF

AWARDS & RECOGNITION



Built by the Best Award
CEBA’s Built by the Best



AFTER-MARKET SERVICES

We specialize in servicing and maintaining all types of industrial and commercial refrigeration systems, including various refrigerants. Our services include proactive preventative maintenance, system upgrades and retrofits, energy audits and optimization, as well as dependable emergency repair services.

Industrial & Commercial Refrigeration Equipment We Service and Maintain:

COMPRESSORS FOR INDUSTRIAL REFRIGERATION

Twin or Single Screw, HDI, Air, Reciprocating, Rotary, Vane, and Centrifugal

REFRIGERATION PUMPS

Centrifugal, Positive Displacement, Canned Seal-Less, Hermetic, Semi-Hermetic

CONDENSERS FOR INDUSTRIAL REFRIGERATION

Evaporative, Shell & Tube, Air-Cooled, Water-Cooled

INDUSTRIAL REFRIGERATION CHILLERS

Plate & Frame, Shell & Tube, Falling Film, Absorption

ICE MAKERS

Flake, Tubular, Crushed

SUPPORTED REFRIGERANTS

R22, R134a, Libr, CO2, Glycol, Brine, Ammonia, 404, 407

SUPPORTED INDUSTRIAL REFRIGERATION SYSTEMS

Hydro Coolers, Package Refrigeration Systems, Blast Freezers, Spiral Freezers, Evaporators, Cooling Towers, Control Valves, Transfer Systems, Vacuum Coolers, Steam & Combustion Turbines, C.A. Storage Application, De-Humidification Units

30+

Technicians Strategically Located Across the U.S.



GLOBAL HEADQUARTERS

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