Reliant®
GAS SYSTEMS

COMPANY PROFILE
2026



ENGINEERING EXCELLENCE · SINCE DAY ONE

Engineering Purity. Delivering Performance.

Advanced High-Purity Gas Systems for mission-critical applications in science, industry & innovation — engineered, fabricated and validated end-to-end.

01
ENGINEERED FOR SAFETY

02
DESIGNED FOR PRECISION

03
BUILT FOR RELIABILITY

04
OPTIMISED FOR PERFORMANCE



COMPANY PROFILE

A Specialist in Precision Engineering & Scientific Infrastructure.

Reliant Gas Systems LLC is a turnkey engineering firm delivering ultra-high-purity gas distribution networks, laboratory infrastructure, fume containment systems and cleanroom interiors across the region. We engineer environments where **purity**, **safety** and **performance** are non-negotiable — combining decades of industrial expertise with rigorous compliance to ISO, NFPA, OSHA and CGA standards.

VISION

To be the preferred partner for turnkey laboratory and industrial gas systems — renowned for technical excellence, uncompromising safety standards and end-to-end project delivery.

MISSION

To deliver world-class gas distribution and laboratory infrastructure that enables scientists, engineers and manufacturers to work safely and efficiently — supporting innovation across research, development and production.

CORE COMPETENCIES

01 Turnkey Laboratory Solutions

02 Ultra-High-Purity Gas Systems

03 Laboratory Furniture & Casework

04 Cleanroom & Containment

05 Engineering Design & Validation

06 ISO · NFPA · OSHA · CGA Compliance

CORE SOLUTIONS

Engineered Infrastructure for the Modern Laboratory.

From ultra-high-purity manifolds to fully-fitted cleanroom interiors, our integrated portfolio is engineered for **precision**, **reliability** and **compliance** — built to perform in the world's most demanding scientific and industrial environments.



High-Purity Gas Systems

Engineered manifold and distribution systems for ultra-high-purity gas delivery across R&D and process applications.

- Modular & fixed manifold systems
- Custom stainless-steel tubing
- Cylinder connectors & regulators



Laboratory Furniture & Casework

Chemical-resistant, ergonomic furniture systems engineered for productive analytical workflows.

- Chemical-resistant benching
- Ergonomic R&D workstations
- Modular reconfigurable layouts



Fume Hoods & Ventilation

Ducted, ductless and bespoke containment systems with integrated airflow monitoring and alarming.

- Ducted, ductless & custom hoods
- Airflow monitoring & alarms
- Biosafety & laminar flow cabinets



Gas Control & Modular Infrastructure

Precision regulation, switchover panels and modular cleanroom infrastructure for scalable lab build-outs.

- Automatic switchover panels
- Pressure regulation & purification
- Modular cleanroom integration



Laboratory Safety Devices

End-to-end safety systems engineered for protection, compliance and rapid emergency response.

- Eyewash, safety showers & faucets
- Gas detection & alarm panels
- Safety storage & flammable cabinets



Turnkey Project Delivery

From initial design through installation, validation and ongoing maintenance — every phase under one engineering accountability.

- Site assessment & system design
- Fabrication, assembly & factory testing
- Installation, commissioning & training

The Backbone of Scientific Innovation

One accountable engineering team across consultation, design, fabrication, installation, validation, commissioning & lifecycle support.

ISO · NFPA · OSHA · CGA COMPLIANT

PRODUCTS & EQUIPMENT

Engineered Components for Precision Laboratories.

A curated portfolio of laboratory equipment, gas-system components, safety devices and consumables — sourced from leading global manufacturers and fully supported by Reliant's engineering team.



Lab Chemicals

Analytical, reagent and ACS-grade chemicals for research and quality control workflows.



General Lab Apparatus

Heating, mixing, separation and measurement apparatus for everyday analytical operations.



Lab Instruments

Precision instrumentation for spectroscopy, chromatography, titration and assay applications.



Lab Glassware

Borosilicate flasks, beakers, cylinders and volumetric ware engineered for accuracy.



Lab Consumables

Pipette tips, filters, vials, gloves and disposables for high-throughput workflows.



Gas System Components

Swagelok®-type fittings, compression valves and stainless-steel tubing for UHP service.



Safety Storage Cabinets

Flammable, corrosive and gas-cylinder cabinets engineered for code-compliant storage.



Fume Hoods & Cabinets

Fume hoods, laminar air hoods and biosafety cabinets with airflow validation and alarming.

PREMIUM BRANDS · ENGINEERING SUPPORT · PROJECT PRICING

Every product line is backed by Reliant's engineering team — covering specification, sizing, installation guidance and post-sale technical support. **Compression Fittings · Regulators · Control Panels · Safety Devices · Laboratory Accessories** available in catalog and project quantities.



ENGINEERING A HEALTHIER FUTURE

Integrated solutions for pharmaceutical, biotechnology, semiconductor and healthcare industries

INDUSTRIES SERVED

Trusted Across Mission-Critical Sectors.

01 Pharmaceutical	02 Biotechnology	03 Semiconductor	04 Healthcare
05 Universities	06 Industrial Facilities	07 Petrochemical	08 Research Labs

END-TO-END EXECUTION

From Concept to Commissioning.

01	02	03	04	05	06	07
CONSULTATION	ENGINEERING	FABRICATION	INSTALLATION	VALIDATION	COMMISSIONING	SUPPORT
Site & needs analysis	CAD layouts & design	In-house precision build	Site integration	Testing & verification	Hand-off & training	24/7 maintenance

QUALITY ASSURANCE

ISO-compliant management system with NFPA, OSHA & CGA standard adherence at every project stage.

VALIDATION & TESTING

In-house testing labs for leak detection, gas purity verification and pressure-decay validation.

ACCOUNTABILITY

Single-source responsibility — concept through life-cycle support with one engineering partner.



CLOSING STATEMENT

Building Future-Ready Scientific Infrastructure.

Reliant Gas Systems delivers precision-engineered laboratory and gas infrastructure solutions designed for safety, compliance and operational excellence across modern scientific and industrial environments.

"The Backbone of Scientific Innovation."

01

PRECISION FABRICATION

In-house orbital welding, surface-finish control & pressure-decay testing.

02

ENGINEERING DESIGN

CAD & BIM workflows engineered for flow, footprint & compliance.

03

COMPLIANCE & SAFETY

NFPA 55 · OSHA 29 CFR 1910 · CGA G-13 · ISO 14644 aligned.

04

LIFECYCLE SUPPORT

Preventive maintenance, audits, performance tuning & 24/7 service.

CONTACT

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Free consultation & site assessment.
24/7 technical support & maintenance.
Engineering enquiries welcome.

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