



**Discovery – Experimentation – Production – Cryogenic Pelletizing – Fermentation
Oxygen Enrichment – Gas Chromatography – Sparging & Stripping
Inerting/Blanketing – Lyophilization/Freeze Drying & More**

Specialty gases are widely used in the Pharmaceutical and Biotechnology industries. They are some of the most stringently regulated due to their complexity and the high degree of accuracy required. Our specialty gases are produced following certified methods to ensure quality control and compliance with Good Manufacturing Practices (GMP), pharmacopeias and environmental directives.

From lab work to pharmaceutical component production to drug manufacturing, we can supply high-purity gas solutions in the very specific mixes you need to make your processes safer, highly accurate, repeatable, compliant, more efficient and productive.

RESEARCH & INSTRUMENT GRADE GASES

- **Compressed or liquid Carbon Dioxide:** Available in purities to meet your project's unique needs and exacting standards.
- **Nitrogen:** Its inert properties make it highly useful for a wide array of uses. In liquid form, it can be for application requiring rapid cooling and/or freezing.
- **Oxygen:** Offers strong oxidizing properties that are desirable at many stages of production.
- **Instrument-grade Pure Gases:** Argon, synthetic air, helium, hydrogen or nitrogen are used as carrier and detector fuel gas, and to zero or purge analytical equipment such as GC-FID (gas chromatography with flame-ionization detection widely used for lipids analysis) and HPLC (High-performance liquid chromatography, a technique in analytical chemistry used to separate, identify, and quantify each component in a mixture).

OUR MISSION

Help our pharmaceutical and biotechnology customers thrive—whether you're working to discover a truly novel drug or bioengineer crops of the future. We are responsive, promise accurate/on-time deliveries, and provide after-hours emergency technical and outage support.





Consistently delivering high purity gases and hydrocarbons that satisfy a wide array of specialized applications and industries. Backed by a certified lab and decades of gas distribution experience.

HIGH PURITY HYDROCARBONS SPECIALTY MIXES CRYO GASES

ABOUT US

We offer a consistent, reliable supply of high purity hydrocarbons and gases, and services and products that optimize performance across a wide array of applications.

This includes technical consultation with our in-house experts; specialized, supportive equipment; and turnkey, no-hassle logistics and delivery. Backed by a certified lab and safe, reliable packaging options—all aimed at exceeding your business and application needs and expectations.

OUR OFFERINGS



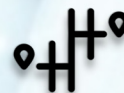
**HIGH PURITY
GASES**



**CERTIFIED LAB
& COMPLIANCE**



**TECHNICAL
EXPERTISE**



**TURNKEY,
NO-HASSLE
LOGISTICS**



**SUPPORTIVE
EQUIPMENT &
SERVICES**

PACKAGING

We offer packaging options to fit a wide variety of needs. DOT approved. Stocked on site. Available in low and high pressure, cylinders and gas packing.



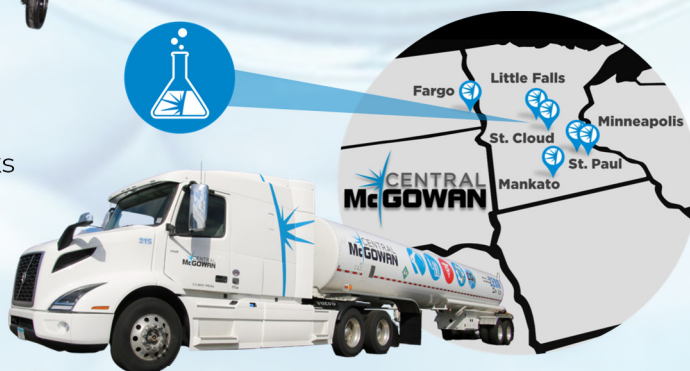
SERVICES

Cylinder inspection, certifications, painting, valving and safety reliefs.

OUR LAB & DISTRIBUTION AREA

We have locations across Minnesota and Fargo. Our large bulk fleet and route trucks make daily stops and deliveries. And we provide 365/24/7 emergency support.

Our state-of-the-art lab is in Central Minnesota, with the capability of producing and delivering almost any gas mix you need.



contact us

SPECIALTY GAS SALES

SPECGASSALES@CENTRALMCGOWAN.COM

800-569-1322 or 320-257-4800, OPT. #6



WE WORK FOR YOU.™

CENTRALMCGOWAN.COM

