COMPANY & SOLUTIONS OVERVIEW

PIONEERING EMISSIONS MANAGEMENT TECHNOLOGY, EQUIPMENT & SERVICES FOR A SUSTAINABLE ENERGY FUTURE











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# **ABOUT US**

#### **KEY FACTS ABOUT US**

With decades of operating history and innovation across our trusted brands, Cimarron provides technology-driven emissions management solutions for the global energy system.

Our leading-edge products, services, and real-time monitoring systems reduce emissions, optimize operations, ensure regulatory compliance, and drive sustainability progress for our customers operating in oil & natural gas production, energy storage & distribution, renewables & biogas, coal mine methane, and certain industrial end markets.

In addition to being present in all major domestic energy regions, Cimarron serves more than 45 countries around the world from key operational centers in the United States, Italy, India, the United Kingdom, and the United Arab Emirates. We are proud to be partnering with our valued customers in Creating a Cleaner Environment<sup>®</sup>.

CIMARRON ABOUT

#### SOLUTIONS

#### MARKETS



Cimarron's annual equipment installations of emissions management technologies help customers avoid over **90 million tons of CO2e per year** through capture and destruction.<sup>1</sup>

1. Represents the annual estimated emissions savings from Cimarron's 2022 equipment installations.

## **TRUSTED BRANDS**

Cimarron boasts a collection of well-established technologies which have been assembled and innovated from trusted industry brands. Our vast global experience, spanning tens of thousands of equipment installations, serves as a testament to our ability to achieve success in every project upon which we embark.





# **CORE VALUES**

At Cimarron, our core values guide how we treat one another, serve our customers, promote sustainable communities, and hold each other accountable for achieving our business objectives. The Cimarron core values bring alignment, trust and teamwork that promote individual and corporate success in which all constituents STRIVE to achieve:

S.	<b>SAFETY</b> FIRST AND FOREMOST IN ALL THAT WE DO IN ALL CIRCUMSTANCES
Т.	WORKING AS COHESIVE <u>TEAMS</u> DRIVES RESULTS AND DETERMINES OUR ULTIMATE SUCCESS
R.	<b>RESPECT</b> FOR OURSELVES AND OUR COLLEAGUES, CUSTOMERS AND COMPETITOR
Ι.	MAINTAIN THE HIGHEST STANDARDS OF <u>INTEGRITY</u> IN ALL THAT WE DO
l. V.	MAINTAIN THE HIGHEST STANDARDS OF INTEGRITY IN ALL THAT WE DO DELIVERING ECONOMIC VALUE TO OUR CUSTOMERS AND ENVIRONMENTAL BENEFITS

# LOCATIONS

Cimarron is headquartered in Houston, Texas with approximately 550 employees serving our global customer base. In addition to being present in all major regions in the U.S., Cimarron operates across more than 45 countries around the world. We support our customers from sales, engineering, manufacturing, and field service locations across the United States, Italy, India, England, and the United Arab Emirates, further supported by our network of international partners.



#### Headquarters: Houston, Texas

#### Engineering / Technical Support Centers:

- Austin, TX
- Tulsa, OK
- Wheat Ridge, CO
- Mumbai, India

#### **Field Service Locations:**

- Midland, TX
- Evans, CO
- Belpre, OH
- Norman, OK
- Carlsbad, NM
- Kenedy, TX
- Minot, ND

#### International Operational Hubs:

- Legnano, Italy
- Abu Dhabi, UAE
- England, United Kingdom
- Holland, Netherlands

#### **Manufacturing Centers:**

- Norman, OK
- Belpre, OH
- Marlow, OK
- Midland, TX
- Evans, CO



## THE ENERGY CHALLENGE: MAXIMIZE ENERGY, MINIMIZE EMISSIONS

There is no one-size-fits-all solution to achieving a sustainable energy future which hinges on the imperative of collaboration and innovation across diverse energy sources. The challenges of energy and sustainable development are compounded by the growth of populations and economies. As the world continues to expand, the demand for secure, dependable, and costeffective energy will surge in the years ahead.

To navigate this complex landscape, it is vital to ensure both energy security and accessible affordability while concurrently mitigating global emissions. This monumental task necessitates the convergence of all available energy resources, accompanied by investment and innovation.



#### **Energy-Related Emissions Outlook**<sup>1</sup>

Kg CO2e / barrel of oil equivalent



### Emissions Reduction Opportunities<sup>1</sup>

Mt CO2e



1. IEA, Emissions reductions in the NZE Scenario, 2030, IEA, Paris https://www.iea.org/data-and-statistics/charts/emissions-reductionsin-the-nze-scenario-2030, IEA. Licence: CC BY 4.0

## CHALLENGE

#### **ENERGY INVESTMENT MUST CONTINUE**

Meeting the energy needs of the 7 billion people worldwide who have less access to and thus consume considerably less energy per person than the fortunate 1 billion residing in the United States, Western Europe, Canada, Japan, and Australasia, will require a diverse array of energy sources. While low-carbon options like renewable energy are experiencing significant growth from modest foundations, hydrocarbons will continue to play a vital role in satisfying the world's future energy demands.

Credible energy forecasts predict that long-term oil and natural gas consumption is expected to be near or above current levels for decades. Considering depletion rates of hydrocarbon reservoirs, energy investment across the globe must continue to ensure oil, natural gas, and petrochemical biproducts remain available, affordable and reliable to support the world's infrastructure development, transportation, electricity generation, plastics, pharmaceuticals, agriculture, and manufacturing activity.

CHALLENGE

#### **ENERGY EMISSIONS INTENSITY MUST DECLINE**

The latest IEA data suggests that the upstream energy industry accounts for approximately 15% of global greenhouse gas emissions.<sup>1</sup> While significant progress has been made over the last decade, more investment and technology innovation is needed to meet increasingly strict regulations and to meaningfully reduce Scope 1 emissions across the energy sector. In the IEA's NZE forecast, a normative scenario illustrating the roadmap for the global energy sector to achieve sharp emissions reduction of many national and corporate targets, emissions from oil and natural gas extraction will need to be reduced by 50% by 2030.<sup>1</sup>

## THE EMISSIONS OPPORTUNITY: CAPTURE & CONTROL TECHNOLOGY

Recent advances in processes and technology have made it more feasible for operators to reduce the carbon intensity of assets and operations across the energy and industrial landscape. Through a series of cost-effective measures such as capturing and destroying methane emissions, reducing non-emergency flaring, electrification, facility automation, carbon capture and storage, and embracing and investing in emissions capture and control technologies, operators can remain competitive, reduce Scope 1 and Scope 2 emissions, and contribute to a more sustainable energy future.





#### WE ARE A UNIQUE EMISSIONS MANAGEMENT TECHNOLOGY PARTNER

With an ever-expanding suite of proprietary environmental technologies and engineered solutions, Cimarron is uniquely positioned as an energy industry partner to optimize production while recovering escaping emissions for return to the value stream and/or to capture and destroy them. We are excited to be pioneering innovative automation solutions and emissions control technology, coupled with our high-quality field service capabilities to provide our customers with data-driven performance guarantees.

SYTELINK360° REAL TIME DATA MONITORING	EMISSIONS MANAGEMENT SOLUTIONS	PRODUCTION & PROCESSING EQUIPMENT	AFTERMARKET PARTS & FIELD SERVICES
REGULATORY COMPLIANCE & SAFETY	EMISSIONS DETECTION & CONTROL	GAS PROCESSING SYSTEMS	AFTERMARKET PARTS & SERVICES
AI / ML ASSET MONITORING ALERTS &	EMISSIONS CAPTURE & RECOVERY	OIL & GAS PRODUCTION EQUIPMENT	TRAINING & SUPPORT
DATA QUANTIFICATION & REPORTING	EMISSIONS DESTRUCTION	MODULAR FACILITY SOLUTIONS	

## **EXPERTS IN EMISSIONS CONTROL &**

## **KEY MARKETS**



#### **OIL & NATURAL GAS PRODUCTION**

Energy operators utilize Cimarron's products to facilitate the efficient and safe production of hydrocarbons, mitigate and reduce the release of methane and other pollutants, and ensure compliance with environmental regulations. Our robust equipment for hydrocarbon handling and emissions control is supported with our Sytelink360<sup>®</sup> Real Time Data and preventative maintenance programs to lower customer costs.



#### **ENERGY STORAGE & DISTRIBUTION**

Cimarron's emissions control equipment supports energy storage and distribution hubs including truck and marine transmissions terminals, as well as pipelines and compression facilities. Our solutions mitigate and reduce the release of methane and other pollutants associated with the transportation, storage, compression, and distribution of oil, natural gas and other hydrocarbons moving toward, and handled within, large downstream markets.



#### **RENEWABLES & BIOGAS**

Biogas is a renewable energy source produced through the anaerobic digestion or fermentation of organic materials such as agricultural waste, food waste, landfill waste, and wastewater. Biogas contains greenhouse gas impurities which require monitoring and destruction via combustion. Cimarron's technologies are employed to capture and/or combust excess gases that cannot be utilized or stored, ensuring safe disposal while minimizing emissions. We partner with developers on beneficial use and renewables projects to provide gas treatment solutions as well as control integration.



#### **COAL MINE METHANE ABATEMENT**

Methane drainage systems, also known as degasification systems, are installed in coal mines to capture methane gas released during coal extraction and abandoned mine remediation. These systems typically involve drilling boreholes into coal seams to capture and combust methane, reducing the amount of gas that would otherwise be emitted into the atmosphere. Cimarron's technologies are employed to combust excess gases that cannot be utilized or stored, ensuring safe disposal while minimizing emissions.



#### INDUSTRIAL

Cimarron's environmental solutions are often used in industrial markets such as power generation, chemical manufacturing, and petrochemical refining management to reduce emissions, minimize environmental impact, and ensure compliance with applicable environmental regulations.











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## **ENERGY PROCESSING SOLUTIONS**

## **SOLUTION SEGMENTS**



#### Sytelink360<sup>®</sup> Real Time Data Monitoring

Cimarron's Sytelink360<sup>®</sup> Real Time Data Monitoring enables our field services crews and our customers to track and minimize wellsite emissions, automate Leak Detection & Repair (LDAR) programs, and reduce remote field and equipment interactions required by manual processes. The Sytelink360<sup>®</sup> platform combines software, proprietary hardware including the DRE-Max<sup>®</sup>, the ARC PLC & Burner Management System (BMS), NOVENT<sup>®</sup>, and our field service capabilities providing customers with equipment optimization, data quantification, performance guarantees, and emissions remote monitoring and management. Sytelink360<sup>™</sup> can operate on a standalone basis or as a complement to customer systems, regulatory compliance, and sustainability programs to provide accurate data sets that increase production, reduce labor time, lower incident risk, and mitigate hazardous gas emissions.



#### **Emissions Management Solutions**

Cimarron's Emissions Management Solutions includes a vast portfolio of emissions control and destruction technologies used to identify, quantify, rectify, capture and/or destroy fugitive emissions for customers. Supported by an expert team of application engineers and strategically located manufacturing personnel, Cimarron offers among the world's most expansive emissions control technologies for energy and infrastructure applications. We are the "E" in your ESG program offering products including compression vapor recovery units, vapor recovery towers, carbon vapor recovery units, enclosed combustion units, thermal oxidizers, BTEX condensers & combustors, ultra-low NOx emissions combustors, and high destruction flares.



#### **Production & Processing Equipment**

Cimarron offers a complete line of standardized and customizable production and processing equipment to process and control well stream products including oil, natural gas, natural gas liquids, and water. Our equipment handles a wide variety of operating conditions with solutions for low or high pressure, solids removal, vapor-liquid and liquid-liquid separation, emulsion treating, and natural gas dehydration. Our production equipment solutions stand out due to their enduring, robust, and highly efficient designs, honed over decades of engineering expertise and a proven track record in the field. Additionally, Cimarron operates a network of ASME code-compliant facilities certified to manufacture, refurbish, and repair pressure vessels, ensuring the highest levels of safety and quality.



#### **Aftermarket Parts & Field Services**

Cimarron's aftermarket parts and service segment plays a crucial role in enhancing the overall effectiveness and efficiency of our solutions while ensuring customer support and satisfaction. Our Aftermarket Parts and Field Services segment supports customers with emissions control, regulatory compliance, extending equipment lifespan, optimizing performance, reducing operating costs, and retrofitting dated and/or unsafe equipment. In addition to our service presence in all major energy regions in the U.S., we serve more than 45 countries around the world through our international locations in Europe and the UAE, supported by our strategic third-party partners. We take care of what you need, when and where you need it.

# OUR SOLUTIONS DRIVE

We embrace the worldwide adoption of Environmental, Social and Governance (ESG) initiatives both internally and externally through our products, services, and technologies. Cimarron is well positioned to facilitate the achievement of many shared ESG objectives with our customers, investors, and the communities we share. Our solutions facilitate environmental stewardship, regulatory compliance, social responsibility, economic viability, and competitive advantages for our customers and key stakeholders.



#### **CUSTOMER IMPACT CASE STUDIES**

Customer: Major Oil & Gas Operator (Eagle Ford Shale)

**Challenge**: Our client, a leading U.S. Oil & Gas operator, was grappling with significant issues related to the performance of vapor recovery units (VRUs) from third party manufacturers. The average uptime of these their fleet of 18 VRUs across 5 locations in the Eagle Ford Shale region of South Texas was a mere 80%. This low uptime resulted in increased operational costs, oil and gas daily production decline, and the undesirable practice of unnecessary flaring.

**Cimarron Solution & Action**: Cimarron was engaged to develop a comprehensive VRU optimization program to improve and guarantee uptime through a combination of (i) VRU equipment retrofits and technical upgrades, (ii) Sytelink360<sup>®</sup> Real Time Data Monitoring, and (iii) Cimarron's field service team of qualified technicians.

**Result**: Within the first month of operation, the 18 VRUs in the program achieved 97.8% uptime (a 22%+ improvement) enabling vast savings for the operator and outperformance of the 95% PERFORMANCE GUARANTEE that we established as a mutual KPI with our client. In aggregate, we estimate that the direct results contributed to an ~**18% increase in captured gas volumes** representing **\$1.2mm per year in additional revenue**, lower field crew miles driven resulting in **safer operations**, and **~37,000 mtCO2e per year of Scope 1 emissions reduction.** 

Customer: Midstream Operator (Permian Basin)

**Challenge**: Our client, a midstream operator in the Permian Basin, utilizes storage tanks and vapor recovery units (VRUs) to manage gas streams and associated liquid byproducts including condensate and water. While the customer was aware of occasional emissions leaks from third-party trucking companies leaving storage tank thief hatches open during tank condensate and water offloading, they had no awareness of flash other potential emissions leaks from thief hatches.

**Cimarron Solution & Action**: Cimarron implemented the Sytelink360<sup>®</sup> Real Time Data Monitoring solution that combined its novel Novent<sup>®</sup> thief hatch monitoring hardware, enabling real time monitoring and management of pressure differentials within the operator's tanks to identify incidents when thief hatches were open.

**Result**: In the first month of Cimarron's real time data installation, Cimarron recorded over 21,000 minutes (351+ hours) of opened thief hatch time across 10 tank batteries. With this new data source, the customer implemented immediate actions with third party trucking companies and field service techs. In aggregate, the Cimarron solution enabled our customer to achieve (i) a **30% reduction in venting events** by the third month of using Novent<sup>®</sup>, (ii) **lower environmental footprint**, (iii) **improved compliance** and (iv) significant **operational efficiencies** from proactive data monitoring and management.

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#### ENVIRONMENTAL STEWARDSHIP:

Environmental stewardship is an increasingly crucial aspect of the operations of the energy value chain. We embrace environmental stewardship and support our customers' efforts to protect ecosystems, reduce carbon emissions, conserve resources, and promote sustainable operational practices. By helping our customers reduce carbon emissions per unit of hydrocarbon production, we actively contribute to supporting a cleaner environmental ecosystem.

#### **REGULATORY COMPLIANCE:**

Regional and national governmental bodies are increasingly imposing stricter regulations on carbon emissions. We aim to be a strategic partner to our customers in understanding, meeting and/or exceeding environmental regulations and standards. Through proactive partnerships with our customers and access to our unique solutions, our clients can stay compliant with existing regulations and remain better prepared for future regulatory changes.

#### **REPUTATION AND SOCIAL RESPONSIBILITY:**

Public awareness and concern environmental issues associated with energy production have grown significantly. Adopting emissions control technologies allows oil and natural gas companies to enhance their reputation, demonstrate social responsibility, and align with the expectations of stakeholders, including investors, customers, and communities.

#### **ECONOMIC VIABILITY:**

Transitioning to a lower-cost, lower-carbon economy is becoming ever more important for business strategies and investor interests. By investing in emissions control technologies, energy companies can better position themselves for strong long-term economic viability and become more agile to adapt to changing market dynamics while reducing operational costs.

#### **COMPETITIVE ADVANTAGE:**

Embracing technology-driven emissions reduction initiatives fosters innovation and competitive advantage. At Cimarron, we pioneer advanced emissions control technologies that provide our customers with opportunities to achieve a competitive edge through efficiency, cost reduction, community and stakeholder reputation, risk management, and sustainability differentiation.

# SYTELINK360<sup>®</sup> REAL TIME DATA MONITORING

For emissions control and reduction to become an integral component of a sustainability strategy, it is crucial that emissions control equipment consistently operates at the intended level of performance and compliance, with credible supporting data.

Cimarron's Sytelink360<sup>®</sup> Real Time Data Monitoring solution combines software, hardware, and field services support and provides customers with data feeds that enable equipment optimization, data quantification, performance guarantees, and emissions remote monitoring and management. Sytelink360<sup>™</sup> can operate on a standalone basis or as a complement to customers' systems, regulatory compliance, and sustainability programs to provide accurate and reliable data sets that increase production, reduce labor time, lower incident risk, and mitigate hazardous gas emissions.





#### **REGULATORY COMPLIANCE & SAFETY**

Non-compliance with emissions regulations carries severe legal and financial implications. Regulatory bodies are progressively imposing fines, penalties, and sanctions on energy companies that fail to meet compliance standards, leading to substantial financial setbacks and reputational damage. Sytelink360<sup>™</sup> is frequently integrated in conjunction with Vapor Recovery Units, Enclosed Combustors, Flares, and Tank Hatches, all of which are essential for maintaining peak operational performance to ensure adherence to both state and federal environmental regulations.



#### **AI/ML ASSET MONITORING**

Our Sytelink360<sup>®</sup> system uses advanced artificial intelligence and machine learning to seamlessly integrate with IoT data devices for efficient and costeffective asset monitoring. Our solution provides real-time performance alerts and utilizes AI algorithms for continuous emissions data analysis across various equipment applications. This empowers service teams to proactively manage surface assets and emissions. Supported by a robust technology stack and industry partnerships, we offer performance guarantees and align our software and service programs with operational efficiency, increased production, and reduced emissions.



#### **EMISSIONS REMOTE MANAGEMENT MONITORING**

Emissions Remote Management Monitoring ("eRMM") is a process and technology-driven approach using field data combined with artificial intelligence & machine learning to continuously and remotely monitor and manage emissions and air pollutants. Through newly established partnerships and our Sytelink360<sup>®</sup> platform, Cimarron is integrating state of the art continuous monitoring equipment with data analysis, bi-directional equipment control, and alerts to provide a premium compliance as a service package for operators needing to comply with increasing environmental regulations and mitigate pollution.



#### **DATA QUANTIFICATION & REPORTING**

With Sytelink360<sup>™</sup>, users gain access to highly adaptable reporting dashboards with embedded quantification tools, empowering them to monitor the status of their assets on an individual device level or within specified groups. These assets can be grouped based on various criteria, such as location, function, or business group, offering flexibility and organization.

## Sytelink360<sup>™</sup> Real Time Data Monitoring

With our Sytelink360<sup>™</sup> Real Time Data Monitoring service, we provide customers with real-time data gathering capabilities, backed by our in-house expertise and skilled service crews. This proactive approach enables us to efficiently manage monitored equipment, increase mechanical availability to 98%+, and ensure sustainable and optimized uptime.

Our preventative maintenance is intelligently prompted by real-time data and trends, allowing for a data-driven schedule. For instance, in Vapor Recovery Units, lubrication oil is changed based on actual hours of operation tracked in real time, and any anomalies in the data prompt immediate preventative maintenance calls. Moreover, troubleshooting can be conducted remotely and promptly, equipping our field service crews with precise information before they arrive on site. This significantly reduces the billable time spent on location, streamlining the maintenance process for maximum efficiency.



## A Data-Driven Solution for Reducing Lifecycle Total Cost of Ownership



# EMISSIONS MANAGEMENT SOLUTIONS

Emissions control equipment holds immense importance in managing and reducing the release of harmful pollutants and greenhouse gases into the atmosphere throughout the stages of energy extraction, production, and industrial processes.

EMISSIONS DETECTION & CONTROL EMISSIONS CAPTURE & RECOVERY

EMISSIONS DESTRUCTION



**OIL & NATURAL GAS PRODUCTION** 



**ENERGY STORAGE & DISTRIBUTION** 



**RENEWABLES & BIOGAS** 



**COAL MINE METHANE ABATEMENT** 



INDUSTRIAL

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## **EMISSIONS DETECTION & CONTROL**

Cimarron brings strong expertise and proficiency in Optical Gas Imaging (OGI) and emissions measurement tailored for the oil & natural gas industry. Our team is comprised of highly trained and certified technicians dedicated to delivering exceptional LDAR services, ensuring that customer facilities remain fully compliant with the latest regulations including NSPS 40 CFR Part 60 Subpart OOOOa. Our systematic Identification, Quantification, and Rectification (IQR) method includes:

- Identification and detection of vent gas or any fugitive emission sources of concern during a site visit using visual observations and OGI cameras
- Quantification of the vented emissions using direct measurement and modelling of flow profile of the Potential to Emit (PTE)
- Rectifying emissions by isolating and addressing leaks through equipment repair and/or implementing and installing emissions capture or destruction equipment



## **EMISSIONS CAPTURE & RECOVERY**



## *Cimarron's Vapor Recovery Units have proven operational uptime of 98%+, compared to competitor models that often achieve <90%.*

#### **MECHANICAL VAPOR RECOVERY**

Since 1952, our HY-BON division has designed, manufactured and serviced compression-based Vapor Recovery Units (VRUs) for the Oil & Gas and Biogas industries. VRUs are one of the most efficient ways of capturing and monetizing the vapors generated from energy production processes. Our units consist of a compressor, condenser, separator, and controls which extract vapors from the emission source, compresses them, and sends them to the condenser where they are cooled and converted back into liquid form. The condensed liquid is then separated, with the recovered hydrocarbons directed for reuse or sale. Cimarron offers multiple standard VRU models for purchase or for rental designed for managing flow rates ranging from 25 to 1,500 MSCFD, as well as custom application-specific recovery systems. Our VRUs can be paired with the Sytelink360<sup>®</sup> platform for real time monitoring of VRU performance. Cimarron also manufactures Vapor Recovery Towers (VRTs) that provide flash gas recovery at near atmospheric pressure without the potential of oxygen ingress from the top of the storage tanks.

#### **CARBON VAPOR RECOVERY**

Since 1980, our Jordan Technologies division has designed, manufactured and serviced VRUs across multiple industries, including liquid-loading terminals, as well as retail gasoline stations. For terminals (rail, truck, marine storage) loading as well as retail gasoline station unloading applications, an activated, carbon-based Vapor Recovery Unit is preferred. While our VRU designs continue to evolve based on constant field feedback from our service technicians, customers, and changing industry requirements, we rely primarily on dry vacuum pumps technology (manufactured by industry leaders HORI and Busch) due to overall reliability, including lower maintenance, enhanced performance, and lower contamination of recovered vapors by lubricating-oils and glycol.

## **EMISSIONS DESTRUCTION**



Cimarron maintains in stock inventory with standard kits to expedite 99%+ emissions destruction across oil & gas, biogas, energy storage, truck loading, BTEX, coal mine methane and industrial applications.

#### **ENCLOSED COMBUSTION UNITS**



#### THERMAL OXIDIZERS



require the use of qualified QuadO combustors for reducing volatile organic compound (VOC) emissions in specified regions and for applicable operations. Cimarron offers multiple standard ECD models capable of processing up to 1,000,000 standard cubic feet per day of natural gas. Thermal oxidizers, also known as thermal incinerators, are advanced emissions control devices that treat and destroy pollutants and volatile organic compounds (VOCs) present in industrial exhaust gases. Thermal oxidizers

With over 10 EPA qualified models, Cimarron has among the largest offering and installed base of enclosed combustion devices (ECDs). ECDs are used when recovery of hydrocarbon vapors is not a viable option and must be destroyed in an enclosed combustor. In the U.S., the EPA has implemented QuadO standards (40 CFR Part 60, Subpart OOOO) for the upstream industry which

compounds (VOCs) present in industrial exhaust gases. Thermal oxidizers are critical components of air pollution control systems supporting various industries by subjecting the exhaust gases to high temperatures, converting the pollutants to less harmful byproducts like carbon dioxide and water vapor. Cimarron offers several types of thermal oxidizers (TOs), marine/terminal/truck loading vapor combustion units (VCUs), and patented ultra-low NOx emissions combustors (CEBs).

#### **CERTIFIEDULTRALOWEMISSIONSBURNER(CEB®)TECHNOLOGY**



Ultra low NOx burners are required in many areas of California as well as other states with non-attainment areas or CARB requirements. Cimarron's patented, Certified Ultra Low Emissions Burner (CEB®) is unlike any other in the market. The CEB utilizes a proprietary premixed surface combustion technology to burn VOC-laden waste gasses with extremely high frequency. With a small footprint, no odor, no heat radiation, the CEB unit is our highest Destruction Rate (DRE) product solution of up to 99.99%. The CEB can be used in marine, railcar and truck gas loading/unloading, tank degassing, biogas and other specialty applications.

## **EMISSIONS DESTRUCTION**

While flaring has been a subject of public concern due to its association with visible flame and emissions, flares are critically important emissions destruction devices that safely combust gases, preventing the uncontrolled release of hazardous gases and reducing the risk of dangerous ignition. Flares are a substantially more favorable alternative compared to venting or uncontrolled releases of methane. Cimarron offers both standard and custom flare designs supported by an application engineering team that integrates the latest combustion technologies to achieve 99%+ emissions destruction rates.



## **50-90% 99%**+ **DRE**

Operating Cost Reduction (assist gas & electricity)

**Destruction &** Removal Efficiency 100% **Smokeless** Performance



# EMISSION REDUCTION INNOVATIONS

Cimarron benefits from decades of product history, innovation, and interaction with our partners, including important regulatory endorsements. By working closely with our customer community for the last several decades, we have invested heavily in new product development and technology aimed specifically at reducing emissions in a wide variety of industry applications. Over that period of time, our product suite and service offerings have evolved substantially in support of customers' growing desire for environmental responsibility and the enforcement of ever more stringent environmental regulation.

#### **R&D INNOVATION PHILOSOPHY**

- Reduce Customer Costs
- Maximize Customer Production
- ➔ Optimize Uptime & Performance
- ➔ Innovate 99%+ DRE
- Enable Cleaner Production

#### **ARC<sup>™</sup> BMS & EMISSIONS REMOTE MONITORING PLATFORM**



Leveraging more than a decade of expertise in programming and installation, the ARC<sup>™</sup> marks the evolution of Cimarron's ARControl<sup>™</sup> burner management system (BMS) — a solution trusted and deployed in thousands of combustors, heater treaters, and flares across the United States. At its core, the ARC<sup>™</sup> integrates a sophisticated PLC that supports a myriad of field data collection nodes. This innovation extends beyond conventional BMS solutions by not only enabling bi-directional facility control but also offering a level of autonomy, simplicity and efficiency.

#### DRE-MAX<sup>™</sup> SMART CONTROL FOR AIR ASSISTED FLARES



Funded in partnership with the U.S. Department of Energy, Cimarron developed the DRE-MAX<sup>®</sup>, a device that utilizes a sophisticated algorithm using field data to automatically manage air-assisted flares to achieve 99%+ Destruction and Removal Efficiency (DRE). The DRE-Max<sup>™</sup> incorporates customer gas BTU values, reads gas flow rates from transmitters, and provides real-time blower adjustment ensuring optimum combustion.

#### **DREAMDUO<sup>™</sup> FLARE METHANE DESTRUCTION**



Cimarron's DreamDuo<sup>™</sup> flare technology was developed to improve the methane emissions associated with flaring across oil and gas value chains. The technology provides a cost-competitive flare and control system to manage high and low pressure gas streams that achieves 99.5%+ DRE, versus the ~98% DRE baseline of existing flares. Considering the high global warming impact of methane gas, a 1.5%+ improvement in flare destruction rates yields significant environmental benefits.

# PRODUCTION & PROCESSING EQUIPMENT

The durability and efficiency of production and processing equipment is crucial for the effective treatment and facilitation of oil and natural gas extraction during initial production.

Cimarron has a complete line of equipment to handle the wide variety of operating conditions, offering solutions for low or high pressure, solids removal, vapor-liquid and liquid-liquid separation, emulsion treating, and natural gas dehydration. With several ASME code facilities in the U.S. certified to build and refurbish/repair pressure vessels, Cimarron has the capacity and geographic reach across all of the major domestic basins.





#### **GAS PROCESSING SYSTEMS**

Natural gas processing presents formidable challenges attributed to the wide-ranging compositions found within gas streams, the phase shifts that occur as pressure fluctuates, and the critical necessity to eliminate undesirable components, such as carbon dioxide and hydrogen sulfide. Supported by a seasoned engineering team with advanced process optimization tools, Cimarron's gas processing capabilities include TEG dehydration units, metering and separation packages, BTEX eliminations systems, filter packages and line heaters. Cimarron is well-positioned to meet the complex needs of gas processing while helping customers deliver responsibly produced natural gas to downstream markets.

#### **KEY PRODUCTS**

- TEG Dehydration Units
- .....
- Metering & Separation Packages
- ➔ BTEX Elimination Systems
- .....
- Filter Packages
- → Line Heaters

#### **KEY BENEFITS**

- Custom engineering group with advanced process optimization tools
- Standard designs furnished upon demand

CIMARRON | PRODUCTION & PROCESSING EQUIPMENT

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#### **OIL PRODUCTION EQUIPMENT**

Production equipment plays a vital role in extracting, processing, and transporting hydrocarbons from reservoirs to end-users. Cimarron's production equipment solutions are designed to separate impurities such as water, sand, and natural gas liquids (NGLs) from hydrocarbon streams. This equipment ensures that the oil and natural gas meet stringent quality specifications and are suitable for transportation and refining.

Our production equipment solutions stand out due to their enduring, robust, and highly efficient designs, honed over decades of engineering expertise and a proven track record in the field. Additionally, Cimarron operates a network of ASME code-compliant facilities located in Colorado, Oklahoma, and Texas. These facilities are certified to manufacture, refurbish, and repair pressure vessels, thus ensuring the highest levels of safety and quality.

Cimarron provides both standardized and custom-tailored production equipment that is calibrated to our clients' specific requirements. Complementing our offerings are comprehensive field support and real-time monitoring services. This holistic approach ensures that our equipment not only meets performance expectations but consistently delivers peak efficiency. As a result, our clients can maintain uninterrupted operations and successfully attain their production objectives.

#### **KEY PRODUCTS**

- ➔ Heater Treaters
- .....
- Bulk Separation Packages

Vapor Recovery Unit/Tower

- Storage Tanks -

- **KEY BENEFITS**
- → Custom Engineering Group
- Dedicated Manufacturing Centers of Excellence .....
- High-Low Separation Packages
   Streamlined Integration with Emissions Control Packages
  - → Performance Monitoring
  - ➔ Modular Facility Packages

Cimarron's modular facility packages can offer customers up 25% cost reduction and up to 70% emissions reduction versus stick-built pad alternatives.

#### MODULAR FACILITY PACKAGES

Cimarron's expert engineering capabilities coupled with strong customer partnerships enable optimized manufacturing, shipment, and assembly of upstream facilities providing cost savings, quality control, safety, ease of maintenance, and lower emission benefits versus "stick-built" pads.

#### **KEY BENEFITS**

 Flexible & Scalable Facility Solutions
 Lower Costs & Time to Production Improved Quality & Safety
Reduced Transportation and Installation Burden \_\_\_\_\_ Reduced Emissions across Scope 1, Scope 2, and Scope 3 Sources

# AFTERMARKET PARTS & FIELD SERVICES

Cimarron takes pride in delivering an unparalleled field service experience that is coupled with remote monitoring capabilities and a vast inventory of aftermarket parts to support the immediate needs of customers. Our field service technicians have exceptional equipment proficiency and uphold rigorous safety protocols and procedures. We are strategically positioned to serve all major regions within the United States and select international locations.

At Cimarron, you're more than just a customer; you're our valued partner. Your needs take precedence, and our unwavering commitment ensures you receive timely support whenever and wherever it's required. Our field service dedication extends to both Cimarron-installed equipment and products from third-party manufacturers. By choosing Cimarron as your field service partner, you can trust that your equipment is in the hands of experts, resulting in optimized performance and minimal downtime. Apart from our thorough repair and maintenance offerings, our field service teams consistently provide training sessions for your field personnel, including control and programming specialists.



#### **AFTERMARKET PARTS & SERVICES**

- SYTELINK360° ALERTS
- → PREVENTATIVE MAINTENANCE
- → 24/7 FIELD SERVICE SUPPORT
- ➔ INSTALLATION & COMMISSIONING
- ➔ AFTERMARKET PART INVENTORY
- ➔ REPAIR, REFURBISHING & RETROFITS
- → TROUBLESHOOTING
- → COMPRESSOR EXCHANGE

#### **TRAINING AND CUSTOMER SUPPORT**

At Cimarron, we understand that building strong customer relationships is paramount to our success. Our dedicated sales personnel stay in touch with you before, during, and after the sale. Whether you require comprehensive product information, technical guidance, or an on-site technician, we are ready to promptly and personally address all your inquiries and service requests.

To ensure you get the most out of your equipment and achieve optimal production capacity, we offer field training on all Cimarron products. Our highly qualified technicians are experts assisting customers in maximizing performance and maintaining peak operational efficiency. With Cimarron's unwavering support, you can be confident in achieving satisfaction and success in your emissions control and production equipment purchases.

#### **EQUIPMENT RENTALS**

In the U.S., Cimarron presents a range of rental options, catering to both short- and long-term needs. Among the available equipment are Vapor Recovery Units, Enclosed Combustion Units, and Flares. These rental units are thoughtfully designed, offered in either skid-mounted or trailer-mounted configurations, ensuring convenient mobility and installation.

Whether you are working on time-sensitive projects or dealing with unforeseen emergencies, our rental solutions grant you immediate access to efficient emissions destruction. With Cimarron's rental equipment at your disposal, you can tackle any challenges that come your way, promoting environmental compliance and operational flexibility.

## INSTALLATION, COMMISSIONING AND MAINTENANCE PROGRAMS

- → PRODUCTION EQUIPMENT
- VAPOR RECOVERY UNITS
- ENCLOSED COMBUSTORS
- THERMAL OXIDIZERS
- → FLARES
- BURNER MANAGEMENT SYSTEMS
- LACT UNITS
- → DEHYDRATION UNITS
- MODULAR FACILITIES







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#### For More Information

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