



Flare Systems

Enclosed Combustion



Services & Spares

Gas & Vapor Recovery

 **AEREON**
CREATING A CLEANER ENVIRONMENT™

aereon.com

With its heritage beginning in the 1980s, AEREON, the international division of Cimarron outside of the Americas, is a global leader in the gas and vapor treatment technologies & services.

AEREON was created when Flare Industries merged with Jordan Technologies to form one of the largest environmental solution providers in the world. Nowadays, as part of the Cimarron group, we offer the broadest product line of air-emission control equipment, including custom and standard Flare Systems, Enclosed Combustion Systems, Flare Gas Recovery and Vapor Recovery Units. We also provide comprehensive technical service support in more than 45 countries through our global service organization.

Our mission is to provide advanced, cost-effective, and environmentally conscious solutions to the Oil and Gas Industry. We also provide our solutions to the biogas, pharmaceutical, chemical, petrochemical, power, and the space industry. Our goal is to provide customers with solutions efficiently and under the Environmental regulations and considerations in their respective regions.

Our team is formed by highly qualified and experienced experts in combustion, gas, and vapor recovery technologies. We design, engineer, and execute our projects from AEREON International offices in Italy, UK, Netherlands, UAE and India. Our Service Team maintains, troubleshoots, commissions, and starts up air emission control equipment all over the world.

Our Products

- Flare Systems
- Enclosed Combustion Systems
- Gas and Vapor Recovery Systems
- Global Services and Spares

Advantages

- Applications that exceed the most stringent emission requirements and keep you in compliance
- Full Sales, Engineering, Execution, and Service Support Team
- ISO 9001:2015 certified quality management system
- Turnkey engineering and project management solutions
- Multilingual Service, Rental and Spare parts solutions available 24/7
- One of the largest Worldwide installed bases
- Accountability for our environmental, social, and governance (ESG) performance

AEREON is certified ISO 9001 for: PROVISION OF DESIGN, SUPPLY, ASSISTANCE, MAINTENANCE AND TESTING SERVICES FOR GAS AND VAPOR TREATMENT UNITS FOR INDUSTRIAL PLANTS; RENTAL OF GAS AND VAPOR DESTRUCTION UNITS.



Flare Systems

WE SUPPLY A WIDE RANGE OF STANDARD AND CUSTOM FLARE SYSTEMS.

Our custom flares are designed as per ISO 23251:2014/2019 (API 521), 40 CFR 60.18, and others. With flaring capacity up to 5,000,000 kg/h in all type of configurations. Staging systems by actuated valves or liquid seals, ignition, and monitoring systems, for any kind of smokeless performance requirements. Ongoing R&D ensures continuously upgraded technology.

Applications

- ▶ Utility Flares
- ▶ Assisted Flares
- ▶ Sonic Flares
- ▶ Derricks and Demountable Flares Systems
- ▶ Multi-Point Ground Flare Systems
- ▶ Enclosed Flares Systems and Biogas Flares
- ▶ Burn Pit Flares
- ▶ Liquid Burners
- ▶ Pilot Burners and Ignition Systems
- ▶ Knock-out Drums and Liquid Seals

Features

- Tips equipped with proprietary stabilization tabs and rings for flame retaining and stabilization
- Purge reduction systems, dynamic or buoyancy seal
- Material selection as per specifications, in terms of

material grade, properties and testing such as special alloys (UNS08811, UNS N0660), NACE, HIC and others

- Pilot burners are ISO 25457:2008 (API 537), self-inspirated and characterized by very low fuel consumptions and high reliability. Equipped with thermocouples or flame ionization rods with single or redundant ignition system. Built in stainless steel 310/316 with casted items
- Flame remote monitoring, smokeless control, retractability packages for thermocouples, pilot burners, aircraft warning lights (AWL), and many other turnkey solutions

▶ Utility Flares

Utility Flares (DU series) are one of the most common flare designs use for applications with no smokeless burning requirements. They are also utilized in applications where smokeless flaring can be achieved without the use of an additional assist medium.

▶ Assisted Flares

To dispose of heavy waste gases, which have a greater tendency to smoke, in a smokeless manner, we provide three different design options, depending on customer requirements. Air Assisted Flares utilize forced air from blower(s) to provide assist air for combustion and promotes additional air entrain from the ambient due to the relatively high exit speed of the streams. Steam Assisted Flares based upon the injection of medium pressure steam at tip level, using peripheral

steam rings (SA model), center steam spargers, and/or inner induction tubes (SAI model). Gas Assisted Flares technology allows attainment of smokeless performances through the injection of high-pressure gas via a peripheral ring, which is also utilized as veritable ring of fire at the perimeter of the flare tip to ensure proper ignition, and stable combustion, of waste gases characterized by high quantities of CO₂, CO, or poor lower heating value.

For applications with both high-pressure and low-pressure flare gas streams, our proprietary technology DreamDUO is the perfect choice for cost-effective and high smokeless performance.

► **Sonic Flares**

Our cutting-edge MACH-1 sonic flaring technology, suitable for both off-shore and onshore installations, utilizes high pressure flare gas to establish an exit velocity equal to the speed of sound to combust waste gas smokelessly. The very high exit speed promotes large air entrainment and efficient turbulent mixing for complete-low radiating combustion. Sonic Flares can be designed as single nozzle, multiple nozzles, with fixed or variable exit areas (variable slots) and equipped with spider burner(s) for flame anchoring and stabilization. Our Variable Mach (VariMach) Sonic Flare tip(s) has a spring-actuated variable sonic nozzle which allows the exit area to vary with pressure, ensuring constant sonic velocity of waste gas in a wide range of flows with beneficial effects on the smokeless combustion and the purge rate, which is the lowest of any flare technology on the market. For extended smokeless range at low flows, in the sub-sonic regimes, our Air Mach 1 sonic is

the solution as it combines an air assist design with the sonic one.

► **Derricks and Demountable Flares Systems**

Our Titan Demountable Flares, also named demountable derricks, are derrick supported flares with three, or four leg configurations and overall heights of up to 200 meters. Designed to accommodate several risers/tips on the same derrick structure. Each flare tip has its own set of pilots. The demountable system allows maintenance at grade on each flare tip while keeping the other flare systems in operation. Fixed derricks are also available within our portfolio.

► **Multi-Point Ground Flare Systems**

We design and supply Multipoint Ground Flares (MPGF) when very large flows are required to be flared in an array enclosed configuration. This system is characterized by multiple stages, with first stage(s) provided with assist support such as gas, air, steam for high smokeless performance at low regimes, and the upper stages coming into operation depending on the header pressure and the flaring need with their smokeless operation attained by pressure. Each stage is composed of runners and burners. In some cases, the number of burners can be of up to 500 burners spaced properly to promote cross light and reduce the number of pilot burners. The flames are shielded by fence panels supported by structural frames in the range of 15-20 meters tall. The staging skids are designed with an actuated staging valve and a safety element such as rupture disk, buckling pin valve, total relief valve, etc.

► **Enclosed Flares Systems and Biogas Flares**

We design Enclosed Ground Flares when waste gases are requested to be flared in an enclosed stack, with reduced flame visibility, minimal heat and noise, emissions sampling, ease, and smokeless combustion, in sensitive areas. The stack is internally refractory lined, designed for low and medium flows, has high destruction efficiencies relative to an open flare and designed as natural draft or forced draft systems. Operated with control louvers and dampers which are optional, or air blowers, respectively.

► **Burn Pit Flares**

The Pit Flare (or “Burn Pit”) is usually constructed of an excavation lined with a non-combustible lining of rock or refractory material. Often coupled with a pit liner, our pit flares can be a cost-effective combustion option for an environmentally conscious user. Our high efficiency burner produces a mixture of vapor and liquid from a single source. While most often designed to operate non-smokeless, through use of AEREON's various Pit Flare technologies (Chimera, Peacock, Triton), smokeless operation can often be achieved.

► **Liquid Burners**

Our Peacock Oil Burners are designed to flare liquid hydrocarbons without liquid fallout or soot formation. These burners provide excellent service for well testing operations. When only oil is flared, a high-pressure air or gas source is required to provide additional mechanical atomization to ensure the mixture is a fine mist when it exits the burner nozzle which is designed to accept separate high-pressure oil and air/gas streams. If the waste stream is an oil/gas mixture, a “spider” burner will be installed instead of the atomizing burner nozzle. Chimera and Triton are other models available.

► **Pilot Burners and Ignition Systems**

All our Pilot Burners are fuel efficient pilots, self-inspirated type, characterized by their durability, reliability, and ease of installation (retractable). Available models are ignited via FFG - flame front generator system (model 245), or HEI - high energy Ignition System HEI (model 250) or combined FFG and HEI (model 255). They can be retractable from ground level (model 270 retrax), and function without support gas (model 100 Continuum). The CONTINUUM Ignitor allows a flare to function without a pilot utilizing the flare gas itself as pilot gas and a continuum sparking system which generates a spark every 20 seconds for 2 seconds duration.

► **Knock-out Drums and Liquid Seals**

We design Knockout Drums (KO Drums) in both horizontal and vertical configurations, as gas-liquid separators with high efficiency separation of liquid droplets, with maximum size in the range 300-600

microns. We also supply Liquid Seal Drums, including all accessories: anti-pulsation device, siphon, level control, liquid make-up, and instrumentation. These systems are designed for the protection of the upstream flare header against flashbacks/explosions, in the event of purge loss, withstanding a certain degree of vacuum upstream of the drum without seal break.



Advantages

- Highly reliable and tested pilot burners
- Miscellaneous instrumentation for IR monitor, Sentinel UV monitor, Smokeless monitor and control
- Instrumentation for flow monitoring (ultrasonic), remote flame monitoring of both pilot flame and flare tip flame, smokeless control via flame intensity optical monitors, and many others
- Solar panel systems
- FFG ignition systems with long venturi for induced air suction
- Aircraft warning lights, Ex-d, conforming to ICAO code latest edition
- Retractability packages for thermocouples, aircraft warning lights, and pilot burners





Enclosed Combustion Systems

OUR UNITS ARE DESIGNED TO COMPLY WITH THE MOST STRINGENT REGULATIONS AND ARE CUSTOMIZED TO MEET SPECIFIC REQUIREMENTS GIVEN BY PROJECT SPECIFICATIONS. WE CAN PROVIDE HIGH DESTRUCTION EFFICIENCY, 99,99% OR HIGHER, DEPENDING ON REGULATIONS AND REQUIREMENTS. WE DESIGN THERMAL OXIDIZERS ASSOCIATED WITH RECUPERATIVE SECTIONS: WASTE HEAT BOILERS, STEAM GENERATORS, OIL HEATERS, AND OTHER HEAT RECOVERY SOLUTIONS.

Applications

- ▶ Clean Ultra Low NOx Emission Burners - CEB®
- ▶ Thermal Oxidizers
- ▶ Tail Gas Incinerators
- ▶ Catalytic Oxidizers
- ▶ Recuperative Solutions
- ▶ Regenerative Thermal Oxidizers
- ▶ Flue Gas Treatment Units
- ▶ Vapor Combustion Units
- ▶ Enclosed Combustors

Features

- Forced, natural, or induced draft applications
- API 560, API 673, local, regional, and international standards
- ASME codes; ASME VIII Div. 1 pressure vessels, ASME I for boilers

- Stacks designed per STS-1, Eurocodes, Gost, CICIND, and many other structural & vessels codes
- Fuel gas skid/trains conform to EN 746-2, or NFPA-85 and may include detonation arrestors
- Blowers: Zone 0, Zone 1 per IEC 60079-1 or ATEX 1G/2G respectively either for internal and external classification with emergency shut-down valves as per EN 161 for gases or ISO 23553-1 for liquids
- Up to SIL-3 design with all safety instrumented systems (SIS) according to functional safety standards IEC 61508 and IEC 61511 and full segregation between safety and controls
- Cabinets, instrumentation, & valves per IEC 60079-10-1 and to conform CSA, ATEX, KOSHA, etc.
- Flame monitoring, continuous emission monitoring (CEMS), and many other engineering solutions
- Auto-reignition and performance monitoring capability

Enclosed Combustion Systems are designed to enhance safety and reduce fuel costs by burning vapors within a temperature-controlled chamber.

- ▶ **Clean Ultra Low NOx Emission Burners - CEB®**
Our Clean Ultra-Low Emission Burner (CEB®) is based on a unique and patented pre-mix metal fiber surface thermal oxidation technology with premixed surface combustion system. The oxidation of VOCs and any other

harmful gaseous compound occurs at temperatures in the range of 1100°C - 1300°C in the presence of large excess air levels providing exceptionally high destruction and combustion efficiencies and ultra-low levels of NOx in the flue gases. The enclosed combustion zone lined by ceramic fiber layers prevents discharge of heat and light towards surroundings. Our CEB® units are available for thermal powers of 0,5 to 45 MW. Higher thermal powers are attainable by combining multiple units in a multi-array configuration with a minimum plot plan area engagement.

▶ Thermal Oxidizers

Our FIRECAT™ Thermal Oxidizers are designed to safely dispose of hazardous and non-hazardous wastes either in gaseous or liquid phase by high temperature oxidation processes in excess air. Thanks to our design expertise the highest destruction efficiencies on abatement of VOCs, BTEX, and many other compounds, are attained with cost-effective solutions and low utility consumptions. Our Thermal Oxidizers incorporate heat recovery equipment to reduce further operating costs by providing steam (saturated, or superheated), hot oil, and flue gas treatment units, when applicable.

▶ Tail Gas Incinerators

We supply incinerators for the thermal oxidation of tail gases resulting from the SRU Claus units, which load of sulfur compounds such as: Hydrogen sulfide, carbonyl sulfide, carbonyl disulfide, mercaptans, and others are converted into sulfur dioxide and sulfur trioxide. This incineration process is typically conducted in the temperature range of 650°C - 850°C depending upon the emission levels of carbon monoxide and VOCs in the presence of excess oxygen – minimum 2%vol in the gaseous flue gas effluents.

The SRU Tail Gas Incinerators are always associated with a heat recovery solution to make the whole installation more energy sustainable. For the same Claus process, we design and supply reaction furnaces, acid gas burners, including the supply of downstream waste heat boiler (WHB), and Direct Fired Air Heaters.

▶ Catalytic Oxidizers

Our Catalytic Oxidizers efficiently eliminate hazardous pollutants such as volatile organic compounds. The catalytic oxidation is applied to lean streams characterized by very low Lower Heating Value with typical values in the range 10-20 BTU/scf. The organic load is efficiently oxidized on a catalyst at 300°C - 400°C resulting in remarkable savings in terms of support gas consumption. The destruction efficiency, up to 99,9%, can be achieved with minimum support fuel requirements reducing the overall emission footprint.

▶ Recuperative Solutions

High fuel cost is perhaps the most distressing concern when considering which type of Thermal Oxidizer to choose. One way to hedge this variable cost is to employ some form of heat or energy recovery. FIRECAT™ Recuperative Oxidizers employ shell and tube heat exchangers, boilers, or hot oil heaters to take advantage of the heat available in the flue gases. In this way, flue gases constantly heat oil, create steam, or preheat waste gases and combustion air, thereby reducing fuel gas consumption.

▶ Regenerative Thermal Oxidizers

Our Regenerative Thermal Oxidizers (RTOs) solutions are utilized to safely dispose of a gaseous waste effluent from a Vapor Recovery Unit (VRU) or any other emission source. Our RTOs provide DRE of 99,5% or higher



Enclosed Combustion Systems

on VOC emissions and allow for very low support gas consumption and large heat recovery. The designs allow for 90% - 95% heat recovery efficiency minimizing operating costs.

► Flue Gas Treatment Units

Depending on the applicable regulations, we engineer Flue Gas Treatment Units as part of a Thermal Oxidizer package. When low NOx burners do not allow compliance with the emission limits of nitrogen oxides, we can supply de-NOx systems based on selective non-catalytic reaction or selective catalytic reaction. Our units can be customized with quencher, wet scrubbing, dry scrubbing, bag houses for filtration, and other technologies.

► Vapor Combustion Units

Our Vapor Combustion Units (VCU) achieve thermal destruction of hydrocarbons and VOC, contained in the vapors displaced by "end-of-pipe" operations, i.e. truck/rail car loading, ship loading, storage tanks out-breathing. As a hybrid application between a Thermal Oxidizer and a Ground Flare, combustion occurs in an opened-top stack. The required "destruction rate efficiency" (DRE) is ensured by proper residence time, efficient mixing, and continuous temperature monitoring of the exhaust gas leaving the stack.

► Enclosed Combustors

Our units are an efficient, cost-effective solution to clients who need to comply with emission regulations in an enclosed configuration, while disposing waste gases.

Our units can achieve up to 99% percent destruction and removal efficiency of harmful emissions.



Advantages

- Our advanced technology provides low NOx and ultra-low NOx burners
- Nearly zero emissions of VOCs, CO, H2S, mercaptans
- Flue gas treatment package, such as de-NOx systems: SNCR, SCR
- Filtration units, scrubbers to remove sulfur dioxide, HCl, Cl2, and many others



Gas and Vapor Recovery Systems

ACTIVATED CARBON VAPOR RECOVERY UNITS

Since 1980, AEREON has designed, engineered, supplied and serviced Activated Carbon Vapor Recovery Units (VRU).

Our units recover hydrocarbons (VOCs) in a variety of applications such as truck, rail, marine & tank breathing applications and in a variety of products like gasoline, naphtha, crude oil, BTEX aromatics meeting the most stringent emission requirements.

Process technology is based on adsorption of the VOC stream onto activated carbon, vacuum regeneration of the carbon and absorption of desorbed VOC in the liquid phase in an absorber column with liquid absorbent circulation. This process has been recognized by several Environmental Authorities as BDT (Best Demonstrated Technology) to recover VOC from fuel loading applications.

A user-friendly PLC control package and SCADA are designed to limit your down time and store all the process data for easy troubleshooting.

The AEREON Activated Carbon VRU recovers greater than 99% of VOCs generated during product loading providing an attractive pay back on capital investment. Recovery rates for gasoline are up to 0.2% vol. (2 liters per each m³ loaded).

Applications

- Truck loading
- Ship loading
- Rail loading
- Tank breathing

Design Features

- Efficient and cost-effective design
- Patented energy saving & recovered product measurement devices
- Patented auto tuned vent & regeneration valves by PLC
- Patented return pump variable frequency drive level control - prevents gasoline spills
- Siemens / Allen Bradley / Schneider PLC meeting SIL 2 requirements on ESD loops
- Complete HMI control of all components & set points
- Skid mounted system; shipped & installed as 4 major components

Typical Products Recovered

- Gasoline
- Gasoline blending stocks
- Naphtha



- Crude Oil
- Aromatics (Benzene, Toluene, Xylenes)
- Bitumen, fuel oil

Advantages

- Dry vacuum pumps
 - wing style
 - rotary screw
- API 681 Liquid Ring Vacuum pumps
- Sacrificial beds to limit H2S emissions on heavy products
- 10 g/Nm3, 1 g/Nm3, 150 mg/Nm3 typical VOC emission limit designs
- Custom built to EPC and refinery specification
- 3 beds design for large flowrates
- Certified for classified areas (ATEX, IECEx, UKEX, etc.)
- Remote monitoring by our Service team
- Continuous Emission Monitor (CEM)
- Continuous Inlet Start Monitor (CISM)
- Remote HMI interface screens
- Custom reports and trending software package

Marine Vapour Recovery Unit

In order to comply with all of the United States Coast Guards' (USCG) rules and regulations as well as international standards (IMO), a vast knowledge and experience of marine loading applications is required to safely design a carbon based Vapor Recovery System.

With a vast experience in the design and supply of Marine Vapor Recovery Units (MVRU) worldwide; AEREON has the complete knowledge of what is required in these systems to allow quick approval by the USCG or to design a Marine Vapor Control System to the most stringent Safety standards.

Dock Safety Units (DSU)

Our DSUs comply with the U.S. Coast Guard regulations as well as international standards which define the level of safety equipment allowed to be installed in marine vapor control solutions.

- 33 CFR Parts 154, 155, and 156
- 46 CFR Parts 35 and 39
- Single and multiple DSU design
- Bi-directional detonation arrestor
- KO pot & auto drain feature
- Vapor filters feature to capture particles and scale
- Fast closure shut-off valve
- Local Control Panel

Vapor Blower Systems

- Installed to overcome pressure drops and to control the flow-rate to the VRU
- Centrifugal blower frequency driven
- ATEX Zone 0 or Zone 1 design feature
- API 673 design feature
- KO Drum design feature



GAS AND VAPOR COMPRESSION UNITS

AEREON has over a decade of experience in the design, engineering and supply of Gas Recovery Systems for different applications. A gas recovery package is comprised of a compression system and auxiliary components which allow reliable and safe operation over the entire design range. Our units are applied in well-head compression, crude oil stabilization and flare gas recovery.

Well-Head Compression

The AEREON natural gas Wellhead Compression Unit is a durable, rugged and reliable solution for depleted or low pressure natural gas wells. The wellhead compressor can also be used in places where line boosting is necessary or can be used to simply increase production. Using AEREON experience coupled with field feedback has helped this product evolve into what is considered one of the most preferred gas compressor technologies.

Mechanical Vapor Recovery Units

Our Mechanical Vapor Recovery Unit (MeVRU) is a pre-engineered, customizable package that is ideal for non-attainment areas where air quality regulations require vapor recovery. It consists of a direct driven compressor, oil coolers, and a precision operating system, which is able to operate continuously and with very little personnel interaction. The unit can be outfitted with a rotary screw; piston or rotary vane compressor powered with either an electric or natural gas engine. AEREON's standard MeVRU's come in sizes ranging from 20 - 600 m3/h till 14 barg.

Applications

- Well pad tank battery
- Central processing facility "CTB"
- Gas blanketing recovery
- Petroleum refining plants
- Flash gas compression
- Heater treater recovery
- Bio-gas recovery / processing
- Coal bed methane and dry gas well for increased production

Features and Advantages

- Plug and play installation
- Capable of handling high calorific value gas
- Large range of turn down
- Small footprint
- Wide range of operation
- Extended service intervals
- PLC with use-friendly HMI
- Remote monitoring by our Service department



FLARE GAS RECOVERY SYSTEMS

A Flare Gas Recovery System (FGRS) is designed to reduce plant/site continuous flaring and recover valuable gas and use it as fuel or feedstock.

A FGRS provides the benefit of conservation of resources and reduction of emissions by recovering process vent gases, often with considerable heating value, instead of flaring.

In a FGRS, Flare gas is withdrawn upstream of the Liquid Seal, compressed through a positive displacement compressor, discharged into the separator, then routed back to the plant. The Liquid Seal maintains a positive pressure on the flare header to prevent air ingress. If flare gas stream exceeds FGRS capacity, gas will flow to the flare. If flare gas stream is less, then FGRS will turn down by staging compressors and/or recycle it.

Design Features

- Engineered Modular Solutions
- Over 12 standard models available
- NACE compliant skids available for sour service
- Automatic PLC operation (smart phone compatible)
- SCADA outputs
- Certified for classified areas (ATEX, IECEx, UKEX, etc.)
- 0-100% Flow Turn Down
- Flooded screw compressor design
- API 681 Liquid ring compressor design
- Discharge Pressure > 10 barg

BEST ENVIRONMENTAL CONTROL SOLUTION WITH OUTSTANDING RETURN ON THE INVESTMENT.



Advantages

- Reduce combustion emissions, including NOx, CO, CO2, and SOx
- Reduce purchased fuel gas
- Reduce flaring light, noise, and odor
- Reduce steam consumption
- Recover valuable gas
- Extend flare tip life
- Improve PR & Company Image



Global Services and Spares

THE AEREON SERVICE TEAM SUPPORTS OUR CUSTOMERS TO ACHIEVE ENVIRONMENTAL COMPLIANCES AND RELIABILITY IN THEIR OPERATIONS.

With more than 40 years of field service experience, our Aftermarket Field Service Engineers have developed a great deal of experience in Vapor Recovery Units, Enclosed Combustion equipment, Flare Systems, Incinerators, and Flare Gas Recovery Units. Our goal is to keep our customers in compliance with the local and regional environmental regulatory agencies as well as to help their operations run smoothly and reliably. Our experienced Team is well diversified and fluent in several languages: English, Italian, Dutch, German, Portuguese, French, Spanish, Hindi, Arabic, Urdu and Tagalog. We have helped and supported customers in more than 45 countries around the world working alongside End Users, Engineering Companies and Contractors.

Applications

- Vapor Recovery Units
- Flare Gas Recovery Units
- Vapor Combustion Units
- Enclosed Combustion Units
- Flare Systems
- Incinerators

Features

- Customized maintenance programs (Corrective and Preventative)
- System evaluation, retrofits, and upgrades
- Emission testing
- Activated Carbon testing (ASTM D2862 Particle Size Distribution, ASTM D5228 Butane Working Capacity)
- Unit commissioning and Startups
- Personalized training programs
- Supervisory Control and Data Acquisition (SCADA) systems
- PLC Retrofit and new installations
- Human Machine Interface (HMI) upgrades
- Automated regulatory reporting systems
- Remote diagnostic
- Largest Spare Parts selection worldwide
- Equipment Rental

Advantages

- Remote troubleshooting
- 24/7 Emergency Support
- Largest Rental Combustion Fleet worldwide for emergency cases, maintenance and backups
- Key spare parts available for quick delivery



Global Services and Spares

- Crew ready for worldwide deployment
- Diversified personnel fluent in 11 languages
- Diversified experience in combustion and recovery technology

Automation Services

The AEREON Automation Team provides a state-of-the-art automation solution for your applications. Our automation solutions include the latest features for smooth operation and easy troubleshooting, helping our customers reduce downtime and increase reliability.

Gas Flaring Services and Equipment

AEREON owns and operates one of the largest enclosed combustion rental fleets worldwide, with several units available for an overall thermal power/gas flaring capacity of over 350 Mega Watts. These units are designed under our proprietary technology, Clean Ultra-Low Emission Burners (CEBs®). We also offer Portable Vapor Combustion Units (PVCUs), gas trains/skids, detonation arrestors, gas blowers, etc.

Typical values of flue gas emissions are the following

- carbon monoxide < 10 ppmv
- nitrogen oxides < 15 ppmv
- unburnt hydrocarbons < 10 ppmv with destruction efficiencies on VOC > 99,99%

Our CEBs® are the perfect fit for turnarounds, unexpected emission unit failures/operations, well-testing, pipeline, tank degassing, etc.



AEREON is a Cimarron Company.

Cimarron is a primary solution provider that engineers and manufactures environmental, production and process equipment for the upstream, midstream, and downstream energy industries, as well as environmental control solutions for biogas at wastewater facilities, digester tanks, landfills, or breweries.

Since its founding in the mid-1970's in Oklahoma, the company's product offering has expanded from production and direct-fired equipment to include the largest production line of solutions for the capture and incineration of fugitive vapors. With the acquisitions of HY-BON/EDI in 2019 and AEREON (including Jordan Technologies and Flare Industries) in 2020, Cimarron has added complementing strong brands, products, and services to its portfolio.

Cimarron is committed to bring value to the energy industry and their shareholders thanks to a solid business foundation based on financial strength, people skills and engineering capabilities. As a company we thrive every day to make a difference through innovation, customer focus and operational efficiency.

Cimarron today offers our customers the know-how and environmental expertise to meet the environmental standards of today and tomorrow. Our vision is to work with our clients to ensure that they create a cleaner environment.

In addition to being present in all major regions in the US, Cimarron now serves more than 45 countries around the world, ranging from offshore to desert service. From key operational centers in the United States, Italy, UK, Netherlands, UAE and India, Cimarron offers ongoing service and support through its own field service personnel and strategic third-party partners, helping create a cleaner environment for our customers and their shareholders.

Cimarron is committed to a safety consciousness that will always exist in our thinking and planning.

We look forward to helping your operations run efficiently!





AEREON offices:
MILAN, ITALY
PISA, ITALY
COEVORDEN, NETHERLANDS
PORTSMOUTH, UK
ABU DHABI, UAE
MUMBAI, INDIA

Cimarron Corporate Headquarters:
HOUSTON, TEXAS, USA

Other Cimarron Offices in the USA:
AUSTIN, TEXAS
EVANS, COLORADO
BELPRE, OHIO
LOUISVILLE, KENTUCKY
MARLOW, OKLAHOMA
NORMAN, OKLAHOMA
MIDLAND, TEXAS
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