AEREO, headquartered in Austin, Texas, is a global leader in the supply of high-quality technologies and services for gas and vapor handling, combustion and recovery for the oil and gas industries. AEREO was formed in 2012 when Flare Industries, LLC acquired Jordan Technologies.

Under the two brands, AEREO offers the broadest product line of engineered flare systems, enclosed combustion systems, ignition systems and vapor recovery units, and is the largest field service company for vapor recovery and combustion equipment in the world. AEREO operates in more than 45 countries around the world. For more information, visit www.aeroe.com.

Advantages of AEREO:

- High quality, customer focused global leader that is still small enough to care
- Most advanced and intuitive VRU control system available for ease of operations
- Can exceed the world’s most stringent emission requirements through application of a variety of technologies
- Broad portfolio of cost-effective quality gas and vapor handling, combustion and recovery technologies and services
- Turnkey engineering and project management which mitigates risk for the site owners
- One of the largest field service organizations in the world for VRU’s / VCU’s providing 24/7 coverage when required, to keep you running efficiently and compliant
CARBON BED
_vapor recovery
UNIT

AEREON’s Jordan Technologies has designed, manufactured and actively serviced vapor recovery units (VRUs) of all makes and sizes since 1980. VRUs recover a variety of VOCs in truck, rail, marine and tank breathing applications, as well as crude, ethanol and other hydrocarbon components. As the largest field service company for VRUs in the world, AEREON provides timely and local service and support to the majority of the world’s operational units, including other manufacturer’s equipment.

When Jordan Technologies expanded beyond a VRU service company, and started building their own line of technologically advanced and reliable VRUs, the new designs included innovations based on years of hands-on experience gained across all manufacturer’s units. A Jordan Technologies VRU is one of the most efficient, reliable and cost-effective units on the market today with an installed base of more than 300 systems worldwide.

Advantages of AEREON’s Vapor Recovery Units:

- Liquid ring or dry vacuum pump technology which allows you to pick the most cost efficient and reliable technology for the specific application
- Most advanced control system available, that is intuitive and operator-friendly, making system changes simple and inexpensive
- Can exceed the world’s most stringent emission requirements keeping you compliant
- >99.5% efficiency
- >98% up-time
- Flexible and modular design allowing easy scale-up or scale down when required
VAPOR COMBUSTION unit (thermal OXIDIZERS)

As an alternative to vapor recovery, hydrocarbon vapors may be destroyed in an vapor combustor or thermal oxidizer. These combustion devices are a safe and economical way of controlling and reducing vapor emissions from the handling, storage or loading of volatile liquid hydrocarbons or other compounds when recovery of the vapors is not a viable option.

AEREON has extensive experience designing, manufacturing and servicing all types of vapor combustion units (VCUs) that are commonly used for marine, rail, and truck loading terminals across a wide variety of waste vapor streams. Both custom-designed and standard-build units are available, allowing you to have the right mix between exact fit, cost and schedule. AEREON VCU are guaranteed to meet all local safety regulations and emission targets.

Advantages of AEREON’s Vapor Combustion Units:

- Anti-flash back burner tips keeping the operation safe
- Advanced ignition system that provides high reliability and unit up-time
- Industry leading pilot design that effectively keeps the waste gases burning
- Forced air combustion to guarantee high destruction efficiency
- Smokeless operation to reduce visual pollution and keep you compliant
- >99.5% DRE with temperature control
- Skid assembly with detonation arrester for easy set-up
CERTIFIED
ultra-low emissions
BURNER (CEB®)

AEREON’s Certified Ultra-Low Emissions Burner (CEB®) is a vapor destruction device that utilizes premix surface combustion to achieve the world’s highest destruction efficiency. With VOC destruction efficiencies of up to 99.9%, NOx emissions guarantee of < 15 ppmv and CO emissions guarantee of < 10 ppmv at 3% oxygen, the CEB® is the ultimate solution for your high-level VOC destruction requirements.

The CEB® single unit product range varies from nominal thermal capacities as low as .34 MMBTU/hr. (0.1 MW) to 40 MMBTU/hr. (12 MW). The CEB® can be staged where multiple units can be installed in series for higher flows.

Advantages of AEREON’s Certified Ultra-Low Emissions Burner (CEB®):

• Non-luminous flame reducing visual pollution
• Smokeless operation to keep you compliant
• Combustion air fan that provides 100% of the combustion air requirements to maintain high destruction efficiencies
• Combustion air fan utilizes a VFD which is used for improved temperature control
• Integrated PLC-based control system that make it easy to update and operate the unit
• Full range of waste gas flow control trains to fit your specific flow requirements
• Compact footprint with short stack to reduce space requirements
• Spark ignited pilot is standard equipment that keeps unit reliability high
• Pilot ignition system can be continuous or intermittent to match your operating requirements.
Since 1999, AEREON’s Jordan Technologies has applied its’ own brand of Vapor Control Systems to marine loading operations for both American and foreign markets.

In order to comply with all of the very stringent United States Coast Guards’ (USCG) rules and regulations, a vast knowledge of marine loading applications is needed to safely design a Vapor Control System that meets all regulatory requirements. With more than 30 years of VRU service experience, coupled with over 15 years of experience in the design and supply of Marine Vapor and Gas Recovery and Destruction Systems, AEREON has the extensive knowledge of what is required in these systems to allow for quick approval by the USCG, or to design a system to the most stringent safety standards.

**Advantages of AEREON’s Marine Vapor Control Systems:**

- Marine Vapor and Gas Recovery Systems (MVRU) and Gas Destruction Systems (MVCU) are built to 33 CFR 154.800 Subpart E
- Advanced safety system to provide early detection of problems
- Vapor Blower System to safely move vapors efficiently through the unit
- USCG approved dock safety units to protect your assets
Since 1980, AEREON has provided 24/7 emergency and preventive maintenance service to the oil and gas industry. We provide prompt, efficient and highly qualified field technicians as well as spare parts from many global locations. Our goal is to get the job done right the first time.

AEREON is one of the world’s largest vapor control technical service providers, also offers you a complete engineering and automation staff to support and maintain not only our own, but all manufacturer designs of vapor recovery and vapor combustion equipment. We provide a vast array of technical services to help you reduce downtime, operate your equipment at maximum capacity and minimize the cost of keeping your terminal on line.

**AEREON’s Global Service Group offers the following Services:**

- VRU, MVRU, VCU and MVCU preventive maintenance programs for all equipment types
- Energy saving equipment upgrades and retrofits
- Equipment relocations
- Equipment demolition and removal
- New and used equipment installations: civil, mechanical and electrical
- Complete VRU carbon replacements
- Carbon performance testing
- Glycol seal fluid testing
- State air emissions testing
- CGA (Cylinder Gas Audits)
- CEM (Continuous Emission Monitor) RATA testing
- Equipment HAZOP evaluation
- Terminal automation system design
- 24-hour emergency service
- System commissioning
AEREON offers quality engineering services to industries that have come to expect responsiveness and professionalism. Liquid terminal and chemical handling facilities rely on AEREON for efficient and cost effective alternatives for VOC control. AEREON offers a full line of products to meet your specifications and exceed your expectations from concept to completion. AEREON engineers design complete vapor control solutions and equipment for your unique requirements.

Additional Engineering Services offered by AEREON:

- Design and manufacturing of marine vapor control systems, dock safety skids and blower skids
- Hydraulic services – piping, vapor blowers and compressors, pressure relieving devices
- Capacity evaluations for vapor recovery units (VRUs) and vapor combustion units (VCUs)
- 3D solid modeling capability for any design needs, using the latest version of Autodesk Inventor
- Truck terminal vapor assist blower packages
- Cost savings methods to upgrade existing vapor control systems, decreasing emissions while increasing loading profiles
- Turnkey project management
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