



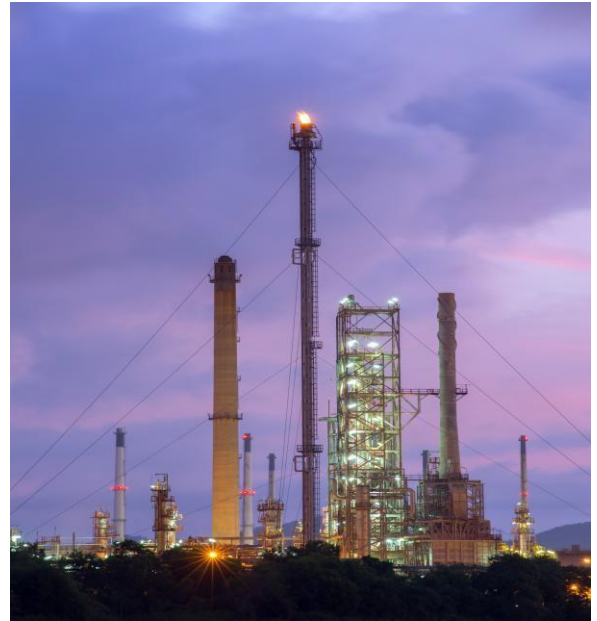
NOVUS Engineering PLLC

Engineering Excellence, Environmental Compliance, and Process Systems

Who We Are

NOVUS Engineering is a Texas-based firm specializing in combustion, process equipment, and environmental compliance for the oil, gas, and energy industries. Our principals are licensed professional engineers with more than 25 years of experience covering all aspects of crude processing — from production through refining, pipelines, regulatory compliance and storage.

Through recent strategic partnerships and a merger with an established landfill/RNG engineering company, NOVUS Engineering brings together decades of expertise with the agility of a lean, responsive team. We partner with trusted fabricators and EPC firms to deliver reliable solutions for both new construction and complex refurbishment projects.



Core Capabilities



Combustion & Environmental Systems

- Refinery flare systems (open, enclosed, multi-stage, smokeless)
- Thermal oxidizers, combustors, and vapor recovery systems
- Emissions control systems designed to meet Federal and State specific requirements

Process Engineering & Equipment Design

- Gas handling and treatment systems blowers, knockout vessels, piping
- Custom-engineered process equipment for refinery and midstream operations
- CFD modeling and system optimization for performance and compliance
- Existing flare tip and burner replacement

PLC - HMI - SCADA

- Automation solutions with experience across multiple platforms, cloud-enabled SCADA integration
- PLC panels, alarm rationalization, secure remote dashboards
- Retrofitting PLCs, streamlining ignition sequencing, easier compliance reporting
- Custom controls design, commissioning and support

Our Commitment to Clients

- Seamless collaboration within multi-company project teams
- Safety and regulatory compliance built into every phase
- Balancing operational reliability with cost efficiency
- Agile solutions tailored to refurbishment and retrofit challenges



Why NOVUS Engineering



- Proven record of delivering cost-effective, compliant, and reliable solutions
- U.S. and international project experience across refining, petrochemical, specialty chemicals and RNG sectors
- Lean organizational structure enabling rapid response to complex project needs
- Strong track record of safety, sustainability, and operational reliability
- Established industry relationships



Selected Project Experience

- Turn-key high pressure flare system with KO and controls for major West Texas oil and gas refiner
- Thermal Oxidizer – petrochemical facility upgrade for compliance and capacity, 99% DRE, low NOx design
- HPLP Flare for large West Texas gas plant
- Combustor train to replace open flares and handle high pressure gas from production facility in Colorado
- Landfill gas Flare Systems – 98% DRE, skid mounted, plug and play, reliable systems

Sales Contacts

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