



Nacah Tech strives to be a strong member of our customers' combustion team by providing:

- Free sizing
- Fume & Liquid Thermal Oxidizers with custom, innovative designs
- Direct Thermal, Recuperative or Regenerative Oxidizers
- Low Emission / Low NOx technology
- Additional services include installation (supervision as needed), start-up, commissioning
- Related equipment: boilers, scrubbers, stacks, etc.
- Anti-Flashback Devices
- On-site Combustion Training



Partial list of industries with which Nacah Tech has experience:

Automotive (Dynos) • Aluminum Chemicals • Acetic Acid • Carbon Cyanide • Resins • Phosphorous Silanes • A&E's • E&C's • Coatings MA • Refineries • Tail Gas • Asphalt Aerospace • Ethanol • Power SCR Systems

Systems are customized to comply with specifications. Standard electrical codes followed are: IRI, FM, NFPA and/or UL electrical codes. Welding to AWS D1.1.



Founded to place the Customer first.

Experience in Combustion since 1984

U.S. owned • Personal service with Care

Manufacturing by subcontractors

**Nacah Tech LLC**

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## Responsive Experienced Resourceful Ideas

for Custom  
Thermal Oxidizers &  
Combustion Systems



The solution to air pollution or combustion problems

## Why select Nacah Tech as your combustion team member?

- Proven innovative designs that help smooth emission tests to bring profit generating systems on line faster
- Excellent service for quick start-up and troubleshooting
- Cooperative and responsive project management produces well executed, time-saving projects
- Project team limits redo's through communication that involves the customer
- Minimize utilities consumption
- Handle the most difficult applications



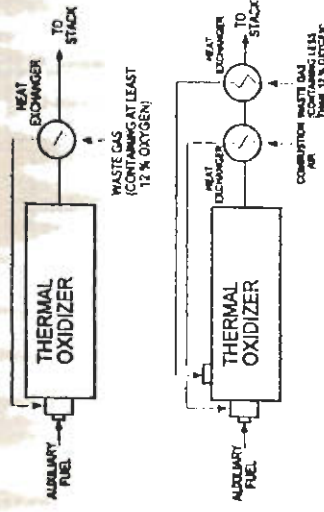
## Nacah Tech's unique approach and experience offers customers the ability to:

- Meet regulatory requirements
- Minimize auxiliary fuel costs
- Optimize steam production
- Minimize NOx emissions
- Optimize Capital vs. Operational Costs
- Meet their budget
- Meet safety concerns

## Nacah Tech Thermal Oxidizers feature innovative, custom designs

- Small or Large Units (18" - 20' dia. +)
- Low or High Inlet Flows (10 scfm +)
- Custom Refractory Linings for high temp, acid protection or PM concerns
- Corrosion Resistant Designs with low lime refractory, hot shell, and proper control logic scheme
- Heat Recovery Selections: heat exchangers to preheat inlet fume or combustion air, waste heat boilers, water or oil heater, etc.
- Custom designs to handle

- Chemically bound N - High organics to minimize NOx
- Halogens - Particulate matter organic or inorganic
- Acids or sulfur
- High CO inlet - Batch &/or spikes



## Typical Design Applications

- Constant or Fluctuating Flow Rates
- Continuous or Batch Processes
- Single or Multiple Streams
- O<sub>2</sub> rich or O<sub>2</sub> deficient
- Inert streams or high heat release
- 95 to 99.99%+ DRE's
- Operating Temperatures of 1200°F to 2200°F+
- Rectangular or Round
- Lightweight or Heavy Duty