



**SHIP & SHORE**  
**ENVIRONMENTAL, INC.**  
 Clean Air Solutions for Industry

# Permanent Total Enclosures (PTE)

## The Most Advanced Technology

Permanent Total Enclosures (PTEs) are a highly effective way to prevent fugitive process emissions from entering the atmosphere. By completely surrounding the emission source, the process emissions can be minimized & concentrated for more cost-effective destruction in a VOC control device. PTEs can be effective for new or pre-existing systems & are used for many applications.



## S&SE 100% VOC CAPTURE PTEs HOW IT WORKS

S&SE provides custom designed PTEs for a wide variety of applications as part of a turn-key oxidizer installation project or to upgrade existing systems. We focus on each facility's unique process design to attain cost-effective solutions. This includes the use of existing permanent walls, strip curtains, insulated wall panels, and/or other materials to meet installation budgets.

Our experienced engineering team will work with the plant personnel to map each VOC emission source and identify the best location for collection, which may include design of hoods, floor sweeps and ducting to the abatement system process emissions.

**MAXIMUM VOC CONTROL & COMPLIANCE**

**ITS A FACT!** WE HAVE ASSISTED OUR CLIENTS IN RECEIVING  
**OVER 7 MILLION DOLLARS** IN CASH UTILITY REBATES

## Clean Tech Products and Services

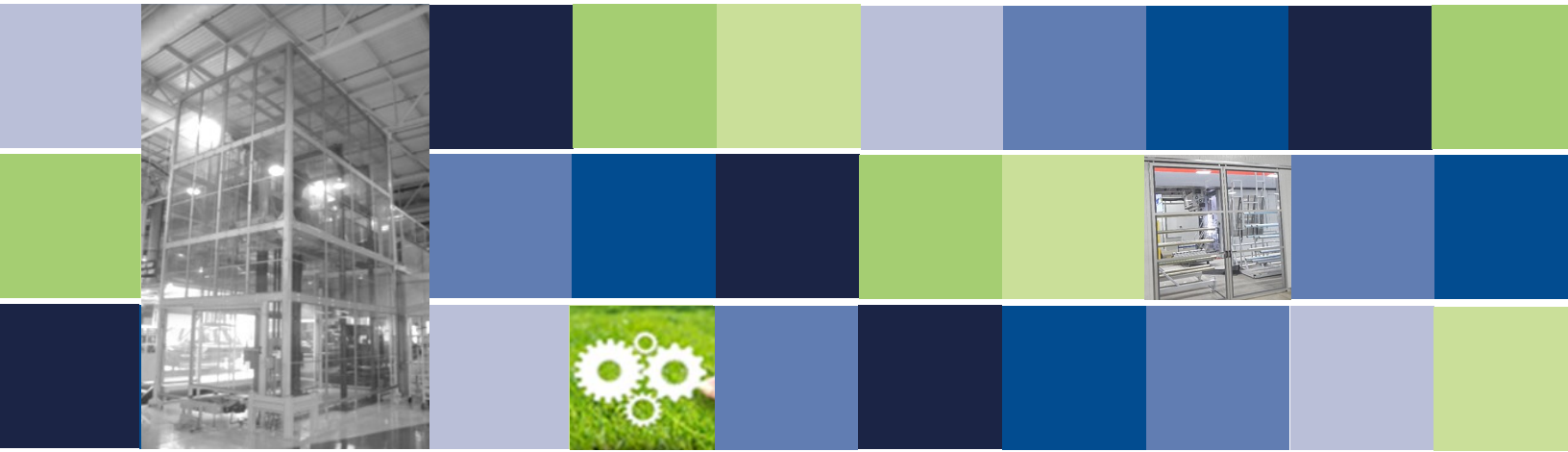
- Air Pollution Abatement Systems
- Engineering Design
- Permit Compliance Consulting
- Equipment Fabrication
- Thermal Oxidizers:
  - RTO
  - Recuperative
  - Catalytic
  - Compact Catalytic
  - Steam Generating
- Concentrators & Absorption
- Flares & Low NOx Alternatives
- Vapor Recovery & Destruction
- Collection System Design
- Permanent Total Enclosures
- Upgrades & Retrofits
- Installation & Service
- Preventive Maintenance
- Troubleshooting & Spare Parts
- Process Testing & Analysis
- Industrial Energy Analysis
- Energy Recovery Solutions
- Waste Heat Recovery

*From engineering, fabrication, delivery to installation along with technical support provided throughout the project, Ship & Shore excelled in all areas.*  
 — FOAM FABRICATORS

**CONTACT US** for a  
 confidential consultation

562.997.0233

SHIPANDSHORE.COM



# THE SHIP & SHORE ADVANTAGE

*Ship & Shore facilitated all the necessary paperwork to process our application for energy efficiency rebates available on equipment. This saved our staff a significant amount of time and effort and resulted in receiving the rebate quickly.*  
— Automated Packaging

- Equipment Designed & Manufactured in USA
- 100% Compliance & Success Rate on All Projects
- Complete In-House Engineering Team & Disciplines
- VOC Abatement Equipment & Collection System Design
  - In-House Project Engineer Manages Each Project
  - Installation, Commissioning, and Aftermarket Service
    - 24/7 Factory-Trained Service by Telephone
    - Customized Heat & Energy Recovery Solutions
- Industrial Energy Efficiency Analysis & Recommendations
  - Assistance with Rebate & Incentive Programs
- Skid-Mounted Equipment to Reduce Installation Time/Expense
  - Extended Warranty Available with PM Service Contract
  - Assistance with Air Quality Compliance Permits

VIRTUALLY  
**GAS FREE | NOx FREE | EMISSION FREE**

## S&SE PTE DESIGN FEATURES

- S&SE PTE Designs Meet EPA, State, & Local Requirements
  - Up to 100% Capture of VOC Emissions with Proper Design
- PTE Reduces Capital Investment & Operational Costs of Abatement Equipment:
  - Reduces Air Volume Requiring VOC Abatement
  - Increases Concentration of VOCs Captured
  - Reduces Abatement System Utility Consumption (Gas and Electric)
- PTE Design Targets Specific Process Emission Capture:
  - Surrounds the Emission Source
  - Virtually Eliminates Fugitive Emissions
- Hoods & Floor Sweeps Capture Emissions at the Source
- Improves Indoor Air Quality of Work Areas
  - Improves Health, Safety, & Noise Levels

## INDUSTRIES SERVED

- Flexible Package Printing
- Film/Adhesive Coating
- Pharmaceuticals
- Rendering
- Food Processing
- Refineries/Chemical Plants
- Resin & Coating
- Soil Remediation
- Barge Degassing
- Bulk Solvent
- Gasoline Terminals
- Can & Coil Coating
- Chemical & Petrochemical
- Composites
- Commercial Printing
- Electronics
- Expanded Polystyrene (EPS)
- Fiberglass (Styrene)