



Trinity Consultants is a leading global environmental consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Trinity has the technical expertise, industry depth, and specialized capabilities to help clients achieve their goals across the natural and built environments.

Trinity's Process Safety team has relief system design experience in all aspects of the petrochemical industry. The relief systems documentation at any facility is critical to its continued safe operation, and our experts approach each evaluation with this importance in mind.

Additionally, our implementation and documentation practices are executed with a focus on long-term utilization. We recognize that our deliverables will be used at all levels of an organization, and our appreciation of this fact guides our documentation and execution practices.

Trinity's Process Safety team ensures adherence to relief system industry codes, standards, and practices, as well as client specific guidelines.

Our Services

- **Engineering Design**
 - New and Existing Installations
 - Preliminary or Conceptual Design
 - Design Correction
 - Detailed Engineering Design
- **Pressure Relief Analysis & Revalidation**
 - Overpressure Identification, Rate Quantification, and Relief Device Adequacy
 - Ensure Client Documentation is Current and Compliant with OSHA PSM Standard
- **Flare and Disposal System Evaluation**
 - Disposal Header Hydraulics Evaluation
 - Global Overpressure Identification
- **Process Simulation**
 - Simple Unit Operation or Complex Process Units
- **On-Site Engineering Support of Remote Execution**
- **Third-Party Audits**

Software Expertise

Our team has extensive experience in multiple commercial software applications including:

- Pressure Protection Manager™
- iPRSM®
- SuperChems™ and ioXpress™
- Client-specific Spreadsheet and Custom Database Applications

To further support the relief system design efforts, Trinity's Process Safety team can perform equipment and unit modeling in the following software:

- Aspen Plus®
- HYSYS®
- Flare System Analyzer® Promax®
- VisualFlow

Trinity's Process Safety team does not have a vested interest in any particular relief system design or process modeling software program, allowing us to help clients select the most appropriate and cost effective tool for their relief system design needs.

ISO 9001:2015 certified at our corporate office in Dallas, Texas

All trademarks are the property of their respective owners.

CONTACT OUR TEAM!

For more information about how we can help your organization, please contact us.

Trinity Process Safety Office
P 806.273.5100

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