



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 is recognized in Texas and nationally for expertise in air quality modeling to support permit applications, compliance demonstrations, emergency response planning, and impact and feasibility assessments. As regulatory air quality modeling undergoes a significant transition with the implementation of new state-of-the-art air quality models, Trinity continues to provide unparalleled expertise and service.

In addition to our in-depth experience in air quality regulations, we have expanded our capabilities to meet our clients' EHS compliance needs. Although our depth of services has evolved, we have never wavered in our commitment to air quality consulting and to providing accurate, timely, and professional service for our clients.

Texas Modeling Experience

With over 50 years of experience in Texas, Trinity has completed thousands of air quality modeling projects using air quality models sanctioned by the Texas Commission on Environmental Quality (TCEQ) and Environmental Agency (EPA), including:

- AERMOD
- ISCST3/ISC-PRIME
- SCREEN3 and AERSCREEN
- CALPUFF
- CAMx
- Accidental Release Models

From offices in Dallas, Houston, Austin, and Corpus Christi, Trinity is strategically positioned to assist with critical EHS issues. Our Texas modeling experience allows us to provide state-specific insight for each project and develop the most beneficial strategies based on client needs. Our track record includes projects for a wide range of industries, including:

- Aerospace
- Agriculture
- Cement, Lime and Aggregates

- Chemical
- Electrical Power
- Food and Beverage
- General Manufacturing
- Oil and Gas
- Petroleum Refining
- Petroleum Terminals
- Pulp and Paper
- Semiconductor
- Surface Coating
- Wood Products

Texas Modeling Services

Trinity provides a wide-range of air quality modeling consulting services, including:

Regulatory Air Dispersion Modeling

Trinity's technical staff is well-versed in the use of state-of-the-art regulatory air dispersion models. Trinity has conducted numerous AERMOD dispersion modeling analyses in support of both state and federal permit applications, including those required under EPA's Prevention of Significant Deterioration (PSD) program and the Texas Modeling and Effects Review Applicability (MERA) guidance package. Trinity also has conducted extensive CALPUFF modeling for both PSD and Class I area analyses. We have the experience and technical expertise in Texas to ensure modeling conducted for your permit application is performed correctly and accurately the first time.

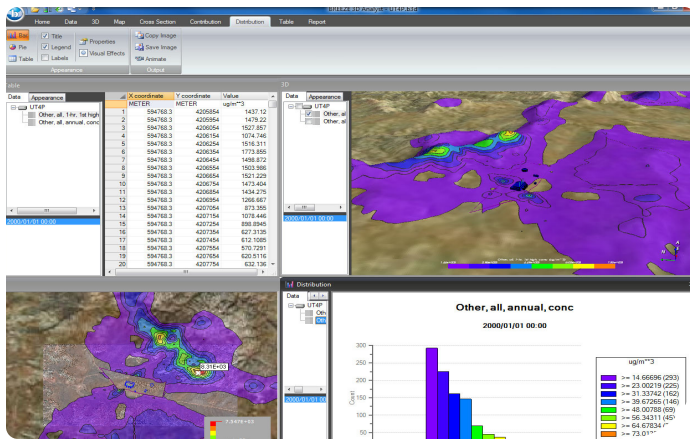
Accidental Release Modeling

Trinity's technical staff has performed many types of accidental release analyses, including off-site consequence analyses required by the Section 112(r) Risk Management Program. Trinity has also performed hazards analyses to assist companies with internal planning and to support legal proceedings. These types of analyses can be technically challenging and are performed by Trinity's hazards modeling specialists, including scientists with doctorate degrees.

Specialized Modeling Studies

Trinity has also conducted modeling studies to meet the requirements of many specialized and often technically challenging scenarios, including:

- Predicting the impact of roadway air emissions with the MOBILE emission factor model and dispersion models such as CALINE3, CAL3QHC, and AERMOD



- Predicting chronic risk/health effects associated with air toxics
- Performing offshore modeling to meet Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) requirements
- Evaluating environmental impacts from air emission events related to process upsets or natural disasters, including black start events
- Conducting off-site impact and deposition studies to support litigation activities
- Conducting modeling studies with the CAMx photochemical model to support source-specific emissions impact analyses, Inter-Pollutant (IP)/Inter-Basin (IB) credit demonstrations, and visibility studies for Regional Haze Reasonable Progress (RP) analyses/control-strategy evaluations
- Conducting modeling studies as part of Fatal Flaw/siting, and What-If Design change analyses, including comparative analyses for varying equipment footprints/plot plan variations for greenfield projects
- Negotiating with TCEQ in the use of multiple and unique techniques to help in passing the cumbersome PSD Full Impacts modeling analyses

Texas Modeling Training and Software Development

Our extensive modeling experience enables us to provide professional training courses in the theory and practical application of air dispersion modeling software including the newest models, AERMOD and CALPUFF. Trinity also develops customized modeling applications and teaches custom courses designed to meet the needs of individuals and organizations.

Since 1983, Trinity has provided the market leading PC-based BREEZE® air dispersion modeling software to environmental professionals. These models are productivity-enhanced versions of regulatory models from EPA and other sources. Today, over 4,000 professionals in 70 countries worldwide use BREEZE® software to assess the impacts of air emissions, fires, and explosions.

Why Choose Trinity

Ability to Manage the Unique Challenges of Air Quality Modeling

Supported by our focus on air quality issues, Trinity is able to anticipate and adapt to the inevitable challenges that arise during air quality modeling studies. Trinity knows and understands the principles of air dispersion models and the Texas air quality regulations as they apply to permitting projects. Trinity's knowledge and experience in regulatory requirements in Texas and across the country allow us to quickly identify and address these challenges.

Local Presence in Austin

Trinity's Austin Office plays an integral role in Trinity's strategic air quality modeling efforts within Texas. Our local presence in Austin provides Trinity and our clients with the ability to easily meet with TCEQ modeling reviewers regarding project proceedings to ensure the process is moving ahead appropriately.

In short, there's no better choice for your dispersion modeling needs. Trinity's experience is multifaceted and extensive. Our strategies are innovative, time saving, and cost effective, and our technical experts and resources are unmatched in environmental consulting.

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

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CONTACT OUR TEAM!

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

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