



# Trinity Consultants

## *Our Capabilities and Value to our Clients*

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# Trinity Consultants

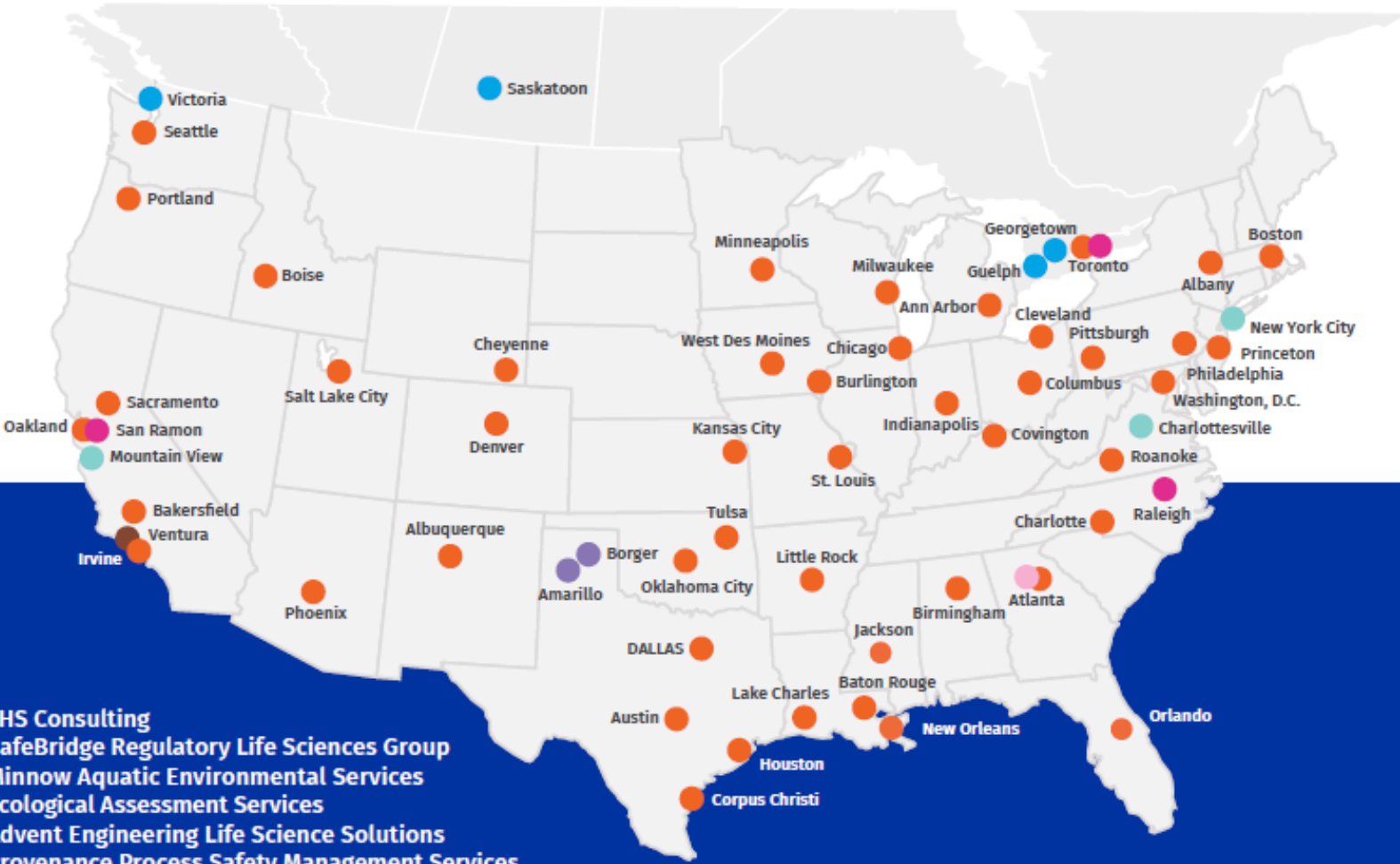
Started in 1974 by **one consultant** in Dallas, Texas serving clients' **air quality** regulatory compliance needs.

Today, we are **nearly 1,000 employees** in more than **70 locations** on **four continents**.

We help organizations overcome complex, mission-critical **EHS, engineering, and science** challenges through **consulting, technology, training, and staffing** support.

# Trinity Consultants International Presence

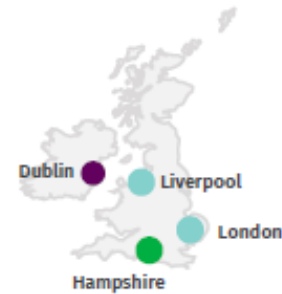
## North America



- EHS Consulting
- SafeBridge Regulatory Life Sciences Group
- Minnow Aquatic Environmental Services
- Ecological Assessment Services
- Advent Engineering Life Science Solutions
- Provenance Process Safety Management Services
- Vision Environmental
- WorkingBuildings
- AWN Consulting
- Sespe Consulting

## Europe

England, UK | Dublin, IE



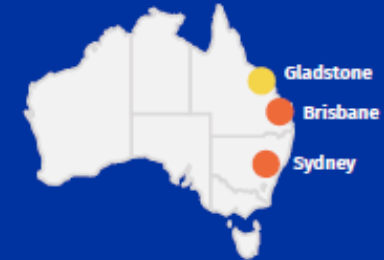
## Asia

China | Singapore



## Australia

Queensland | New South Wales



# Our Consulting Services



# EHS Consulting Services

*Supporting clients' regulatory compliance obligations across media and areas of concern*



**Water Quality**



**Health &  
Safety**



**Corporate  
Reporting &  
Sustainability**



**Air, Noise,  
Vibration &  
Odor**



**Waste  
Management**



**Chemical  
Compliance**



**Mobile  
Sources &  
Fuels**

# Air Quality, Noise & Vibration Services



- ▶ Air quality permitting and compliance management
- ▶ Air dispersion modeling
- ▶ Ambient monitoring
- ▶ Emissions monitoring, testing, oversight, and reporting
- ▶ Cap and trade services
- ▶ Leak Detection and Repair (LDAR) compliance support
- ▶ NESHAP and NSPS compliance support
- ▶ Regional haze support
- ▶ Tank emissions support
- ▶ Acoustics design
- ▶ Noise and vibration analyses
- ▶ Odor assessments

# Water Quality Services



- ▶ Aquatic monitoring and assessment
- ▶ Sampling
- ▶ Permitting, planning, and compliance management
  - Spill Prevention Control and Countermeasure (SPCC)
  - National Pollutant Discharge Elimination System (NPDES)
  - Stormwater Pollution Prevention Plan (SWPPP)

# Chemical Compliance Services

- ▶ Chemical Facility Anti-Terrorism Standards Compliance (CFATS) support
- ▶ Toxic Release Inventory (TRI) reporting and support
  - Massachusetts – Toxic Use Reduction Act
- ▶ Hazard communication and Globally Harmonized System (GHS) services
  - Chemical inventory development
  - Safety data sheet (SDS) preparation
  - Exposure scenarios preparation
  - SDS Annex according to EU Registration, Evaluation, Authorization and Potential restriction of Chemical substances (REACH)
- ▶ Refrigerant management support
- ▶ Toxic Substance Control Act (TSCA) reporting assistance





# Enterprise Risk Management and Sustainability



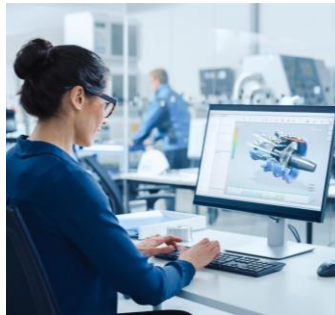
- ▶ Environmental impact assessments
- ▶ Auditing and verification
- ▶ Sustainability planning and reporting
- ▶ Carbon Disclosure Project (CDP) reporting and verification/assurance
- ▶ Litigation support and expert testimony
- ▶ Due diligence support for mergers and acquisitions
- ▶ EHS Management Systems and ISO standards support
- ▶ Environmental Justice (EJ) screening and assistance with assessments and public meetings

# Engineering Consulting Services

**Bio-Pharma  
Services**



**Engine  
Certification**



**Building  
Services**



**Tank Roof  
Design**



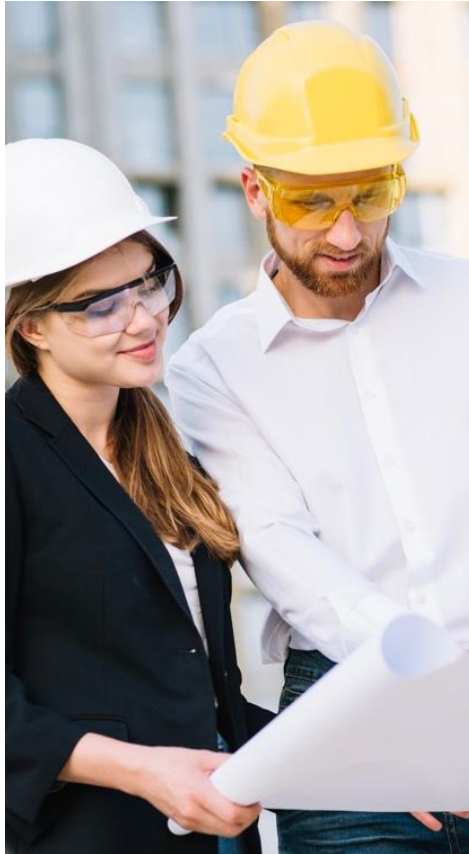
**Process Safety**

# Bio-Pharma Services

- ▶ Engineering support for Life Sciences companies (pharma/bio-pharm) including:
  - Automation Engineering
  - Commissioning, Qualification and Validation (CQV)
  - Process Design
  - Project Management



# Building Services



- ▶ CDC select agent registration
- ▶ BSL-3/4 initial verification
- ▶ BSL-3/4 annual verification
- ▶ Infection control support
- ▶ ISO cleanroom certification
- ▶ LEED consulting
- ▶ Energy audits
- ▶ Training
- ▶ Good Manufacturing Practice (GMP) engineering controls
- ▶ Design reviews
- ▶ Fault analysis
- ▶ SOP development and training
- ▶ Joint commission compliance
- ▶ USP compliance
- ▶ JCAHO inspection support
- ▶ USDA select agent registration



# Process Safety Services



- ▶ Support regarding OSHA Process Safety Management requirements, including
  - Pressure relief systems
  - Mechanical integrity and inspections
  - Process Hazard Analyses and Risk Assessment
  - Independent Protection Layer (IPL) Lifecycle support
  - Process Safety Information (PSI) and data management

# Science-Based Services



Potent  
Compound  
Safety



Hazard  
Communica-  
tions

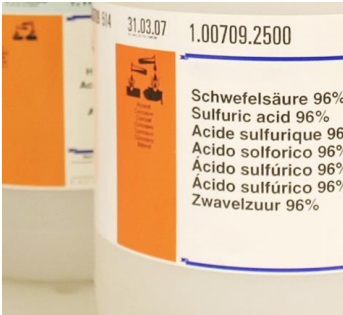


Toxicology

Aquatic  
Environmental  
Services



Industrial  
Hygiene  
Analytical  
Laboratory



Terrestrial  
Ecology



# Bio-Pharma and Life Sciences Services

## Potent Compound Safety

- ▶ Product safety risk assessment
- ▶ Computational toxicology (interpretive reports using in silico models for toxicity screening)
- ▶ Evaluation of product contaminants and impurities
- ▶ Cleaning limits for a variety of contaminants

## Toxicology

- ▶ Occupational Exposure Limit (OEL) determinations
- ▶ Occupational health categorizations
- ▶ Toxicity testing study management
- ▶ Occupational health crisis management and risk communication

## Industrial Hygiene and Safety

- ▶ Exposure assessments, control advice and engineering
- ▶ Laboratory safety
- ▶ Indoor air quality
- ▶ Industrial hygiene statistics
- ▶ Industrial safety services and training
- ▶ Safety program development and auditing
- ▶ Site inspections

## Analytical Laboratory Services

- ▶ Safebridge AIHA-accredited laboratory
- ▶ Method development and sample analysis

## Hazard Communications

- ▶ Safety Data Sheet (SDS) development

# Technology: Solutions and Software



# EHS Digital Solutions

Since 1995, dedicated to planning, implementing, and sustaining EHS digital solutions.



## What we do

- ▶ Identify software-based solutions
- ▶ Plan for and Implement Software
- ▶ Organizational Change and Sustainment



## Solution Results

- ▶ Enhance processes, data quality, and efficiency
- ▶ Appropriate, Cost-Effective, and Sustainable
- ▶ Innovative Microsoft or Other Software Function



## Who we work for

- ▶ Clients in heavily regulated industries
- ▶ Clients with rigorous EHS/ Quality Programs
- ▶ Internal Scientists and Engineers developing Innovative solutions for unique client challenges

# Software Portfolio



## Air Dispersion Continuous Release

- ▶ AERMOD
- ▶ AERMET
- ▶ CALPUFF
- ▶ ROADS
- ▶ AERSCREEN
- ▶ SCREEN3

## Air - Data Visualization & Analysis Tools

- ▶ 3D Analyst
- ▶ Met View
- ▶ Downwash Analyst

## Explosion Damage Assessment

- ▶ VASDIP
- ▶ ExDAM

## Accidental Hazardous Release

- ▶ LFG Fire/Risk
- ▶ Incident Analyst

## Health Risk

- ▶ Risk Analyst

## Tank Emissions

- ▶ TankESP

# Staffing

# Engineering & EHS Recruitment



## Unique domain expertise

- ▶ Direct hire and contract to hire recruitment and placement services, featuring:
  - ▶ Extensive candidate screening
  - ▶ Robust network of top talent
  - ▶ Unmatched domain expertise
  - ▶ Rapid deployment
  - ▶ Risk reduction/compliance enhancement
  - ▶ Lower total cost of recruiting



# Quality Commitment

# Our Commitment to Quality

- ▶ ISO 9001:2015 certified in our Dallas headquarters. Signifies our commitment to:
  - Maintaining consistent quality of deliverables across the organization
  - Ensuring client's objectives are achieved
  - Emphasizing continuous improvement
  - Formalizing training procedures
- ▶ The company's Quality Program is based on our ISO procedures





# Contact Us

[trinityconsultants.com](http://trinityconsultants.com)

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