INDUSTRIES

EHS Support for the EV Battery Manufacturing and Recycling Industry

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.

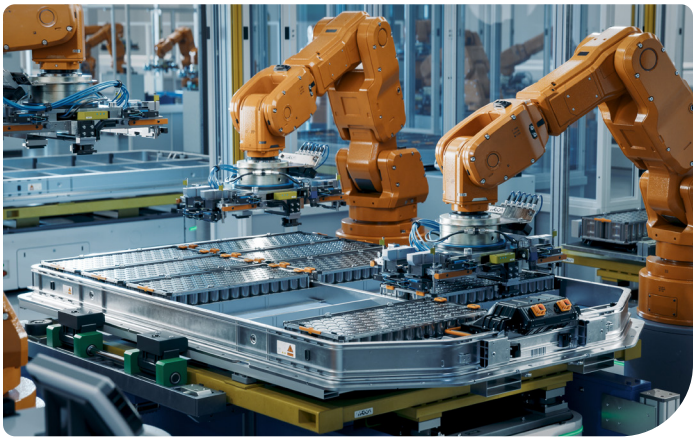
Well known for our in-depth experience in air quality regulations, we have expanded our capabilities to meet our client's growing multimedia needs. Although our depth of services has evolved, we have never wavered in our commitment to air quality consulting and to providing accurate, timely, and professional service for our clients.

With more than 70 offices nationwide, Trinity is strategically positioned to assist with the critical environmental issues affecting all aspects of the EV battery manufacturing and recycling industry. Trinity takes pride in understanding not only the regulatory issues and challenges affecting battery manufacturing and recycling clients' operations, but also in understanding their industry and the processes involved in manufacturing, recycling, and refining activities for the closed loop economy.

Air Quality Permitting and Compliance

Whether constructing a new facility, expanding an existing facility, or modifying operations, your actions may be subject to air quality dispersion modeling, permitting, and other regulatory requirements. Effective permitting requires extensive practical experience in all aspects of air quality analysis and regulation. Trinity has completed several projects for EV battery manufacturing and recycling clients, and we bring these experiences and knowledge gained to each project. Trinity has also conducted dispersion modeling studies to meet the requirements of many specialized scenarios. Our experienced staff have backgrounds in engineering, environmental sciences, and meteorology. This diverse and multi-disciplined group of experienced professionals allows Trinity to deliver the highest quality solutions, efficiently and cost-effectively. Our areas of support include:

- Permit applicability, strategies, due-diligence, siting, and feasibility analyses
- Notice of Intent (NOIT) and Approval Orders (AO) initial, revisions, amendments, and applications
- PSD and Title V applications
- Tribal New Source Review
- Emissions Reductions Credit (ERC) quantification, registration, and trading



- General Approval Orders
- Emission inventories for various regulatory programs such as annual emission reports, Toxic Release Inventory (TRI), Tier II Reporting, Toxic Substances Control Act (TSCA) Chemical Data Reporting (CDR) and Significant New Use Registrations (SNUR), and GHG Reporting
- Control technology evaluations and compliance for NSPS/BACT/LAER/RACT/MACT/BART
- State Implementation Plan (SIP) support
- Enforcement, litigation, liability, expert witness service, and client advocacy
- Agency negotiation, public outreach, and strategic advising

Air Dispersion Modeling Expertise

Trinity is recognized nationally and internationally for our skills in conducting air dispersion modeling studies to support permit applications, compliance demonstrations, emergency response planning, and impact and feasibility assessments. Trinity has performed thousands of air dispersion modeling analyses in support of air quality projects using dispersion models sanctioned by EPA and other regulatory authorities, including AERMOD, CALPUFF, CAMx, and accidental release models. We are also experienced in addressing some of the more controversial aspects of air dispersion modeling such as meteorological and background data completeness and selection, ozone impact analyses, secondary PM2.5 formation and analyses, intermittent emission sources, etc. Our modeling experience allows us to provide state-specific insight for each project and to develop the most beneficial strategies based on client needs.

Global Chemical Notification Support

Trinity provides broad Chemical Regulatory Services leveraging deep scientific and regulatory knowledge necessary to supply or

import chemicals or materials with a worldwide market. Whether your company is interested in importing or exporting Cathode Active Materials (CAM), Nickel Cobalt Aluminum (NCA), Mixed Metal Concentrate (MMC), or other battery materials, we can help you quickly and effectively maneuver across the globe. We offer Chemical Strategy/Registration/Notification/Reporting support in many locations and addressing multiple regulatory frameworks:

- U.S. TSCA
- E.U. REACH
- U.K. REACH
- Asia Pacific requirements
- Other national requirements

Waste & Recycling Compliance Support

Trinity provides comprehensive waste regulatory compliance services in the complex and nascent field of battery recycling and manufacturing. Trinity's expertise covers RCRA hazardous waste, universal waste, and solid waste. Trinity's experience ensures that your operations align with local, state, and federal waste and recycling regulations. Explore our range of services designed to support your commitment to sustainable battery recycling:

- RCRA Compliance Assessment
- Universal Waste Recycling Requirements
- Regulatory Guidance and Applicability Analysis
- Regulatory Documentation Support
- Waste Characterizations
- Hazardous Secondary Materials and Recycling Legitimacy Evaluations
- State-level Recycling Approval
- Closure and Post-Closure Plans
- General and Customized Hazardous Waste Training

Why Choose Trinity

Trinity's EV battery sector clients are served by a strong team of experienced consulting professionals who collaborate and communicate frequently on issues related to the nascent industry to ensure that each project leverages the most current information. Furthermore, Trinity is well respected by state and federal environmental agencies and maintains alliances with a network of top tier environmental attorneys and allied service providers.

Whatever your challenge, Trinity has the experience and insights to provide intelligent solutions to optimize environmental performance for our EV battery manufacturing and recycling clients. Our knowledge and experience across a wide range of environmental issues makes us an excellent partner for addressing these matters.

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

CONTACT OUR TEAM!

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

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