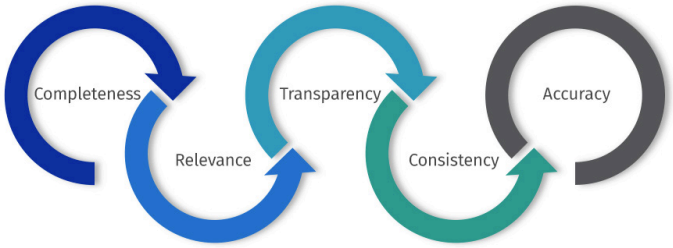
ESG & SUSTAINABILITY

Environmental Sustainability Services

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.



Environmental, social, and governance (ESG) disclosure and general sustainability initiatives have become areas of increasing focus for both public and private companies as investor and other internal and external stakeholder interest has surged. As a result, sustainability and ESG metrics and targets continue to evolve with a goal of measuring and reporting not only risks, but also opportunities in the context of demonstrating how a company is making a positive contribution to society.

At Trinity, we leverage our deep understanding of industry operations and 50+ years of delivering technically sound environmental solutions to support our clients with strategic development or enhancement of environmental aspects of their sustainability program. The advantage of partnering with Trinity is access to our unparalleled combination of industry-specific experience, technical and regulatory expertise, and sustainability-focused business acumen.

Assess Materiality and Develop Core Metrics

Meaningful action begins when an organization defines what sustainability means with respect to its mission, products, and services and determines what issues are material to the enterprise. Trinity provides peer benchmarking and insight from existing ESG reporting frameworks and standards. Trinity performs facility-specific assessments of environmental aspects and impacts and stakeholder engagement for a comprehensive assessment of materiality. This critical initial step is then followed by a baseline assessment of how well the organization is performing in relation to defined sustainability parameters. Through this baseline assessment, effective strategies and performance targets can be identified to better integrate sustainability parameters into the core systems and procedures of the enterprise. Trinity employs a comprehensive approach that ensures completeness, relevance, transparency, consistency, and accuracy in the execution of the following tasks.

Develop Carbon Footprints and Inventory Management Plans

Trinity utilizes its decades of expertise in quantifying emissions, along with in-depth understanding of our clients' industrial processes and emissions sources, to develop comprehensive and technically sound carbon footprints/greenhouse gas (GHG) inventories. This includes organizational Scope 1, Scope 2, and Scope 3 emissions accounting in conformation with predominant global standards (e.g., GHG Protocol). With the growing emphasis on Scope 3 emissions, Trinity employs a practical approach to quantify them. First, we help our clients qualitatively assess which categories are relevant, then follow with a strategic approach (employing a hierarchy of available emissions factors) to prioritize the quantification of the more material categories while providing a screening assessment of lesser categories.

Trinity's rigorous approach to this process includes the development of a carefully crafted, client-specific, GHG inventory protocol/management plan. The plan will document inventory boundaries, activity data, emission factors, methodology, assumptions and exclusions to ensure that 3rd party verifications of our work products are straightforward and expeditious.

Assess Environmental Sustainability Metrics

Trinity's broad-based environmental expertise provides the wellspring for strategically assisting our clients with selection and assessment of key sustainability metrics. Our practical, in-depth knowledge of industrial operations serves as the backdrop for assisting our clients with evaluating their performance against various environmental key performance indicators (KPIs) that are integral to their overarching sustainability programs, such as:

- Non-GHG Air Quality Emissions Management
- Energy Management (usage, intensity, mix)
- Water/Wastewater Management
- Waste/Hazardous Materials Management

Perform Life Cycle Assessments

Rising demands for greater accountability and increased credibility of sustainability data within a company's value chain are driving many companies to conduct life cycle assessments (LCAs) to fully understand the environmental impacts associated with all stages

of a product's life, from raw material extraction through ultimate disposal or reuse. Trinity uses a tactical approach to the complex process modeling necessary for executing effective LCAs using the leading commercially available software tool, GaBi®. Throughout this process, our commitment is to provide strategic support for our clients' primary business drivers and goals, such as:

- Climate change management (identification of market risks and opportunities)
- Environmental performance tracking (efficiency improvements, value chain environmental impact reductions)
- Product differentiation (competitive advantage, brand image, corporate reputation) via Environmental Product Declarations (EPD)

Trinity adds exceptional value to the LCA/EPD process by providing: (1) a deep understanding of industrial processes to inform model refinement; (2) strategic advisement in identifying value chain hot spots and assessing mitigation opportunities; and (3) coordination of the 3rd party certification review process.

With emerging opportunities for federal funding and tax credits associated with low carbon technology, GHG life cycle accounting for a project is a critical aspect of those applications. Trinity employs its technical acumen and emissions accounting expertise to develop LCA calculations to determine a project's impacts in comparison to a base (business-as-usual) case in alignment with federal guidelines.

Implement Digital Solutions

Trinity employs a powerful combination of EHS professionals and IT experts to identify and implement technology solutions to solve our clients' sustainability performance tracking challenges. As a company's sustainability program matures, so too does its need for digitization. Our support includes development and integration of tools to gather and quality-assure KPI data, configuration of comprehensive complex emissions calculations, deployment of business analytics, and design of performance tracking reports. Throughout this process, Trinity is committed to helping clients achieve the highest standards of business sustainability performance. We do this by advising clients across the full spectrum of available and emerging ESG technologies to select and implement an appropriate solution that meets their sustainability needs with respect to functionality, timing, budget, and integration with legacy systems.

Establish Science-Based Targets

As companies seek clearly-defined pathways to reduce their carbon footprints and minimize their climate risk, Trinity assists by facilitating internal workshops with cross-functional teams to focus on the methodical evaluation of climate-related risks and opportunities unique to each business. Trinity supports this process by offering critical thinking skills, technical acumen, and independent credibility as companies seek to set science-based targets and make net zero commitments.

Science-based target setting is a multi-faceted approach to ensure long-term financial and environmental viability of the business. Trinity works with clients to ensure that their GHG emissions reduction strategies are aligned not only with these goals but also with sound science. To achieve this objective, we guide clients through the Science-Based Target Initiative (SBTi) process to establish targets consistent with the latest climate science deemed necessary to meet the goals of the Paris Agreement. For those clients wishing to pursue more aggressive net zero strategies, we assist with developing a mitigation hierarchy to inform the establishment of realistic, achievable, and verifiable near- and long-term targets which may include decarbonization initiatives across the company's entire value chain of Scope 1, 2, and 3 emissions, as well as investments outside the value chain where necessary.

Implement Sustainable Strategies

Transition to Low-Carbon Economy

Transitioning to a low-carbon economy offers considerable opportunities as well as substantial challenges for any business. When formulating a transition plan, a company must consider a multitude of drivers, including regulatory constructs from government agencies, compulsory obligations from customers or investors, initiatives of industry peers, and voluntary initiatives aimed at improving the company's relationship with the community or its employees. A successful transition plan is one that is multi-faceted and employs a variety of impactful strategies to lower the company's carbon footprint.

Trinity recognizes the unmistakable connection between energy efficiency and greenhouse gas (GHG) emissions mitigation. Industrial organizations in particular need to develop energy management strategies, as well as cost-saving measures to improve operational efficiency while lowering GHG emissions. Our interdisciplinary teams analyze the technical, economic, and regulatory factors critical for determining the feasibility of energy improvement options.

- Analyzing energy cost and usage data to prioritize areas for improvements
- Evaluating technology changes (e.g., compressed air, refrigeration systems), fuel switches, and energy conservation options related to operational practices
- Ranking energy reduction options by feasibility, costs, and business impact
- Identifying options for renewable energy technology implementation
- Conducting energy audits and facilitating priority improvements
- Delivering energy efficiency training to improve conservation efforts
- Examining the feasibility of relevant market mechanisms such as managing renewable energy credits and carbon offsets

Regulatory and Policy Tracking

Sustainability policies and regulations are constantly evolving. To keep abreast of these emerging topics, our team closely follows ESG-related topics including reporting and disclosure, carbon accounting and assurance, carbon capture and sequestration, renewable energy, biodiversity, etc. We incorporate this learning into the project work that we complete for our clients and develop periodic industry-sector specific summaries and presentations on high priority items.

Our team frequently presents at regional and national environmental and sustainability focused events, and we teach numerous courses and webinars each year.

Internal Cost of Carbon

As a critical component of climate strategy, many companies are instituting an internal price on carbon to place a monetary value on GHG emissions which can be factored into investment and spending decisions. Setting an internal cost of carbon can play a key role in a company's overarching approach to managing climate-related business risks and opportunities by assigning a dollar value to each ton of GHG emitted. Trinity assists clients with this process by evaluating the benefits and challenges of various carbon pricing approaches and helping to identify the preferred model that will be most relevant and impactful to the company's overall sustainability-related business objectives and low-carbon economy transition planning.

Waste and Water Support

Similar to energy management, wastewater generation and management also plays an important role in sustainability programs. Trinity helps companies develop water management programs, including the following aspects:

- Water and wastewater use assessments
- Water and wastewater diversion strategies
- Water and wastewater inventories and reporting
- Water and wastewater management plans
- Water appropriation permits

Waste management, reporting, source reduction, recycling, and reuse are also material elements to ESG metrics for numerous industrial sectors. Trinity helps clients with various aspects of solid waste and hazardous materials management:

- Solid and hazardous waste inventories and reporting
- Solid and hazardous waste generator and Treatment, Storage and Disposal Facilities (TSDF) audits
- Solid and hazardous waste assessments
- Solid and hazardous waste diversion strategies
- Solid and hazardous waste management plans Hazardous materials management plans
- Superfund Amendments and Reauthorization Act (SARA)/ Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) reporting
- Chemical Facility Anti-Terrorism Standards (CFATS) assessments, security plans, and management practices

Biodiversity Program Support

Trinity has the capability to help its clients build biodiversity programs in tandem with their EHS and sustainability programs, which increases the efficiency for metrics gathering and disclosure activities. As biodiversity is a nascent component of most corporate environmental programs, integrating biodiversity into a company's operations may be a seemingly arduous task. Thematically, industry's impact upon biodiversity does not differ greatly from that of industry's impact upon other environmental factors, such as air, water, and waste. As a result, identifying strategies and solutions to address biodiversity from a corporate level is transferrable to those in industrial settings. The challenge for most organizations is translating the scientific metrics indicative to biodiversity into a framework with distinctive and meaningful workflows, data management, and performance monitoring.

To develop and implement biodiversity programs and associated strategies, a company must first understand how its operations affect biodiversity. Trinity utilizes internationally recognized databases to locate areas of biodiverse conservation priority,high biodiversity, ecologically sensitive areas, and legally protected areas. If an enhanced data collection process is warranted, Trinity may also deploy on-site methods, such as baseline ecological inventories and impact assessments, to collect indicator data. As a result of the assessment, a list of findings and, if applicable, an internal register of regulatory requirements relative to identified areas, is created. Once this data is collected, an inventory of material risks, opportunities, dependencies, and impacts to biodiversity on a site-specific basis is prepared. Trinity can also support the development of controls and actions to mitigate material impacts to biodiversity, which may be incorporated into Biodiversity Action Plans.

Trinity Can Help

For over 50 years, Trinity Consultants has assisted industrial facilities with EHS management and regulatory compliance. As our company has grown, we have evolved our expertise and services to meet clients' evolving objectives.

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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