Trinity Consultants

Digital Solutions

Delivering tailored, scalable solutions
that meet your compliance data challenges

Who We Are & What We Do

Trinity Consultants is a consulting firm that helps companies overcome complex, mission-critical challenges in environmental, health and safety (EHS), engineering, and science across a broad range of industries and geographies worldwide. For more than 45 years, we have served clients in the Energy, Transportation, Manufacturing, Life Sciences, Process Industries, Mining and Technology industries, among others. Our *EHS Digital Solutions* team brings the essential regulatory knowledge and technology experience to our client's most complex data management needs to deliver the right solution for them.

Plan – Design – Build – Deploy

Our Goal: Enable your businesses to operate more efficiently, and improve EHS, Quality and Sustainability performance.

Our Focus: Develop and integrate the best technology solutions into your organization to enhance EHS, Sustainability and Quality processes and experience.

Our Method: Deliver EHS, IT, and project management expertise while keeping our client's best interest at the forefront of every project decision.

Strong project management leads to successful implementations. Trinity uses Agile project management principles to minimize the risk of costly rework, delays,
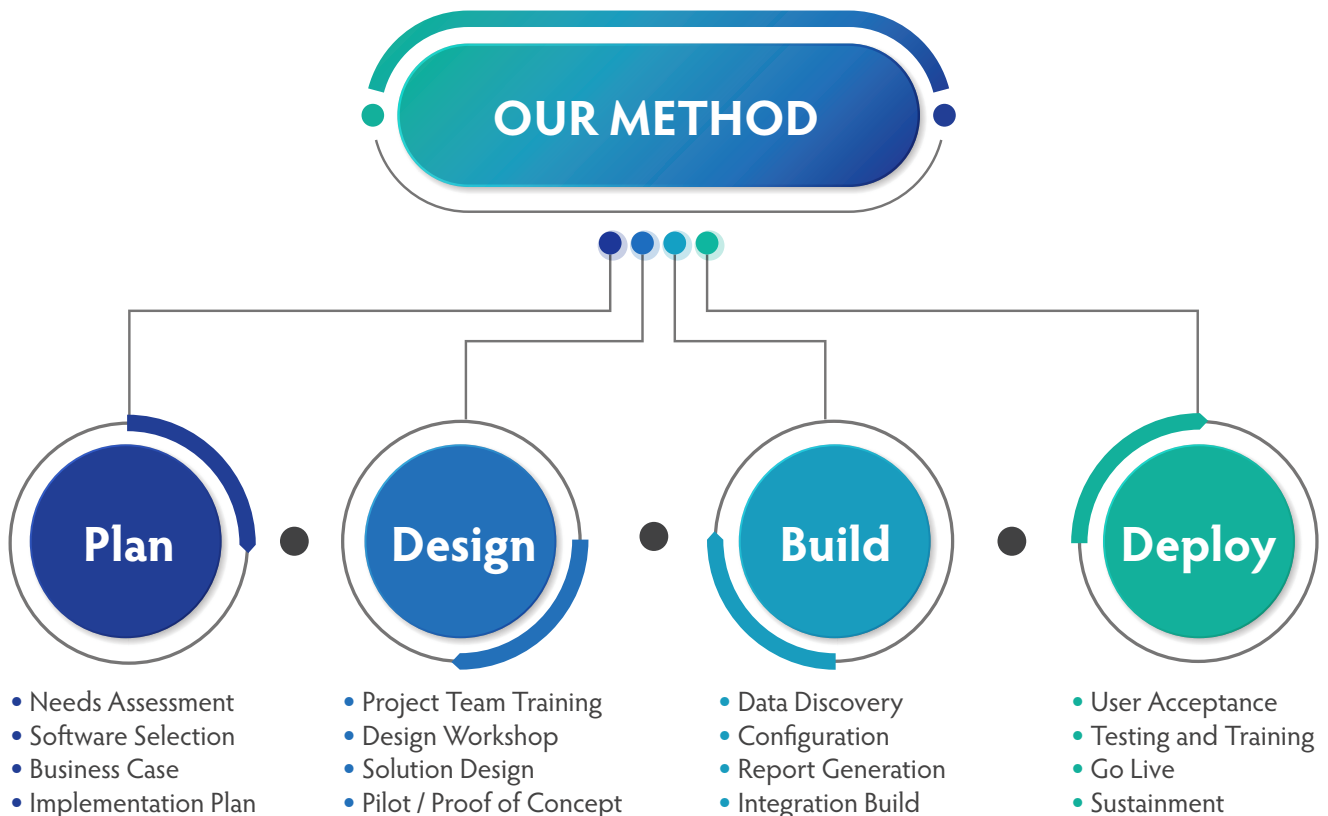
Agile project management principles applied – minimizing the risk of costly rework, delays, budget overrun or other unexpected surprises.

budget overrun, or other unexpected surprises. We rely on waterfall stage gates to help maintain clear scope definitions and ensure progress from one stage to the next. During each project stage, our project managers work closely with our clients to ensure the plan is relentlessly managed and executed using our well-tested project management methodology.

Mindful Plans

Deploying software technology requires a significant investment in both financial and human resources. Based on our teams' two decades of experience, careful planning and preparation can help determine the scope and scale of these solutions. Proper planning is paramount to ensure a

Figure 1. Methodology that we follow to ensure successful implementations. Proven Solution Implementation Methodology.

OUR METHOD

Plan
- Needs Assessment
- Software Selection
- Business Case
- Implementation Plan

Design
- Project Team Training
- Design Workshop
- Solution Design
- Pilot / Proof of Concept

Build
- Data Discovery
- Configuration
- Report Generation
- Integration Build

Deploy
- User Acceptance
- Testing and Training
- Go Live
- Sustainment

Compliance Management and Assurance	Health, Safety and Environmental Data and Process Management	Sustainability and Performance Management		Quality and Supply Chain Management
Compliance task and permit management	Asset and equipment management	Incident, injury, and illness	Surveys, data validation, and reporting	Supplier audits, risk assessments, and surveys
Compliance and management systems audits, assessments and inspections	Air and water emissions calculations and permit limit compliance	Behavioral based safety	KPI and other metrics reporting	Customer complaints, and actions management
Action tracking	Waste tracking and management	Risk assessment and management	GHG reporting	Incident investigation, cost, and impact management
Change management		Job hazard and process hazard analysis		Data visualization, trending, and reporting
Managements (aspects, impacts, targets, training and procedures)	Regulatory reporting	Chemical inventory, approval, hazard and risk management		Management systems digitization, and assessments/audits

successful implementation and save thousands of dollars in unnecessary functionality, costly rework, or buying different software to fulfill unmet needs.

Assess Needs – We help our clients define critical business requirements based on the needs of their organization. We facilitate a collaborative needs assessment process with our clients, focusing on people, processes, technology, and business intelligence to deliver:

► Clear identification of project vision and success criteria
► Analysis of current state processes and capabilities
► Documented design of desired future state processes and capabilities
► Definition of critical functional and technical software requirements

Build a Business Case – Deploying digital solutions can have far-reaching benefits for your organization, but is it worth the investment? We assist our clients with developing and delivering a compelling business case to key stakeholders, senior management, or other organizational leaders. Our extensive knowledge of EHS information technology coupled with the information collected during the needs assessment process, ensures we deliver a qualitative- and quantitative-based assessment to support (or dispute) the overall business rationale for implementing the proposed EHS solution.

Our business cases focus on:

► Market analysis
► Critical organizational needs and benefits
► Direct and indirect costs, savings, and expected return on investment
► Outlining capital justification

Select Software – Software selection is a critical step in the process of a successful implementation project. By following our proven process, we guide our clients through the challenge of evaluating numerous tools available in the market today. We help our clients avoid landmines by identifying the true EHS needs and selecting the right software tool to meet the need. Our extensive technology database of software vendor products and functions give our clients a reliable and cost effective place to begin. We use this information and our experience to devise a system selection process that incorporates our best practices with our client's procurement process.

We help clients select software that will meet their needs, while driving accurate vendor cost estimates by:

- Coordinating product demonstrations
- Facilitating technology evaluations and scorecards
- Negotiating technology contracts

Trinity maintains synergistic partnerships with leading software vendors to stay abreast of the rapidly evolving players and products. We recommend the best product to meet client needs and then tailor the software around our clients' organizational structure, technologies, processes, and operations to deliver solutions that are widely accepted throughout the organization.

Deliberate Design

Our solution design focuses on clients' business processes first, and system functions and features second to create a solution that meets the needs of the business without compromising the integrity of the software. Our solution designs leverage out of the box functionality and

configuration, as applicable, to maximize process efficiency, and minimize maintenance effort and costs. Our proven approach to a successful design phase includes:

- **Project team training** on the out of box software to enable thoughtful design
- **Design workshops** to refine business requirements and workflow processes
- **Solution prototypes or mock-ups** to clarify and vet solution design concepts
- **Piloting or testing a full prototype**, when requested, to incorporate feedback from a wider audience
- **Documented designs** for validation and signoff by the client to baseline project metrics and guide an iterative build

Trinity's EHS Digital Solutions offers over 20 years of deep EHS, process and analytics experience across multiple geographies and industries in order to understand, guide, and develop people-based workflows, and solution design. We intelligently design to meet project implementation criteria, while focusing on critical factors for long-term success. Some of these factors are:

- Simple design for system users to input, manage, and analyze information
- Efficient design for solution owners when maintaining the software as the organization, technology, and laws change
- Flexible design to expand and adapt the solution for future programs and groups

Intelligently designed – streamlined software design coupled with extensive EHS domain expertise enhances performance.

Agile Build

We bring the benefit of our many years of build experience to help develop an implementation approach that aligns with the client's priorities, organizational change principles, budget constraints, and resource availability. Our project methodology relies on a modified Agile approach where the design is flexible within the schedule and addresses critical success factors for the project.

Key elements of the build include:

▶ **Data Discovery –** Collecting and populating the system with your data and information
▶ **Configuration –** Configuring the system to meet the functional requirements of the design
▶ **Generating Reports –** Developing the dashboard and reports needed to manage programs and data integrity
▶ **Integration Build –** Creating the integrations that will streamline data entry and maintain data accuracy between systems

Integrations - Integration with existing software, such as human resources systems or operation data management systems, will help maximize the benefits of your solution. Integration can reduce redundant data entry, errors, and time required to get data into the system. In some cases, additional technologies such as middleware or data warehouse will enable or improve the data integration between systems. Some of our system integration services include:

▶ Identifying and analyzing source systems
▶ Coordinating the integration effort with IT staff
▶ Mapping of fields
▶ Designing and automating data QA and validation logic

Strategically Deploy

Deploying high quality solutions is what we do. We are passionate about supporting clients as they adopt new software that impacts their daily life, to ensure the value is fully realized.

Test and Measure - Our EHS Digital Solutions team leads clients through rigorous system testing and validation. We help create testing strategies and plans to engage stakeholder groups and assure testing is complete, timely and thorough. We offer our clients:

▶ Test strategy and planning
▶ Test scripts based on your configurations and roles
▶ Pre-user acceptance testing and comprehensive user acceptance testing with a broader audience

Training and Change Management - Organizational change management is one of the most important and overlooked components of a technology project. Successful implementations have a direct correlation with organizations that are willing and able to accept change over a reasonable period of time. We work with our clients to develop and implement a change strategy that ensures the changes introduced will be accepted by the organization. Some elements of the change strategy include:

▶ Engaging stakeholders early and often
▶ Working directly with a client's change management organization or developing change management strategies for the client
▶ Delivering communications strategies and tools
▶ Providing robust training, materials, videos, and tutorials
▶ Providing system usage and access metrics to measure and communicate system adoption
▶ Implementing effective and rapid-response help desk support

System Sustainment Support

Solutions implemented require periodic maintenance and check-up to ensure that the solution is current and up to date with regard to operations and EHS needs. These services are also important to help users take ownership of implemented solutions. EHS Digital Solutions offers support and maintenance services to ensure your technology solution is sustainable.

These services include training system users, ensuring that all queries are answered in a timely manner, and offering additional resources to help with meeting regulatory deadlines.

We provide operational and maintenance support services that include:

▶ Training-related user queries or refresher training
▶ Data input and report generation
▶ System updates due to operational or regulatory changes
▶ Data improvement projects
▶ Data analytics and regulatory reporting

EHS Technology Point Solutions

Some clients need highly-specific EHS IT solutions as part of a larger software implementation project, or as a stand-alone point solution. EHS Digital Solutions has experience developing custom tools on a variety of platforms to meet client needs. In addition, we offer existing point solutions for specific needs.

Microsoft® Platform Custom Solutions - Our Microsoft (MS) platform-based solutions are cost-effective, budget-friendly, and deliver options that use familiar technology to improve productivity. Trinity has experience delivering pure MS solutions, as well as custom applications enabled by MS, using technology such as Share Point, Excel, Power BI, Azure Cloud platform, and Odata. We can leverage our clients' existing MS technologies and licenses, or deliver a MS solution inclusive of the licenses and fees needed to support the solution. Our MS-based solutions can:

▶ Collect and control EHS data
▶ Secure data with on-premise or cloud-based databases
▶ Integrate with operational or HR data systems
▶ Provide data reporting and analytics
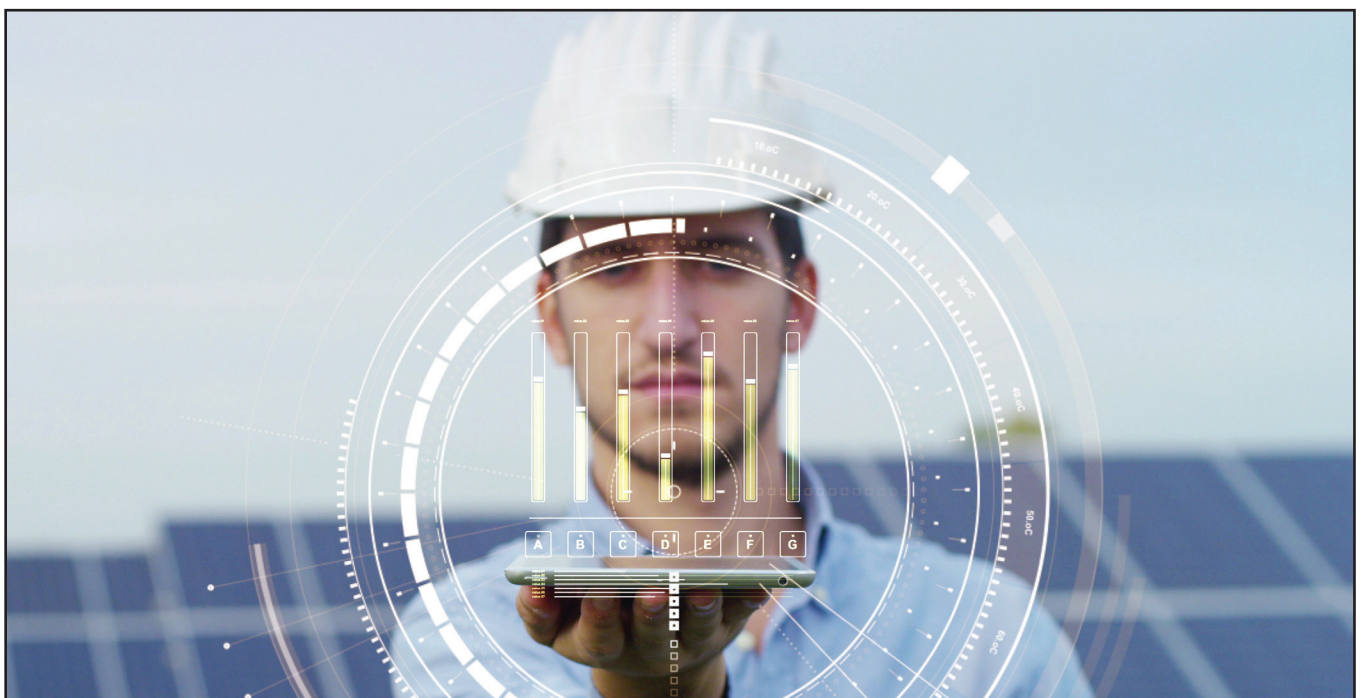▶ Offer mobile capabilities to enhance data collection

Custom Applications - Trinity's EHS Digital Solutions team is an industry leader specializing in developing and implementing automated compliance solutions. With this powerful combination of regulatory and technical expertise, we provide turnkey solutions that streamline our clients' compliance-related practices. We have developed the broadest range of custom solutions, all designed to meet your exact needs and save you time and money.
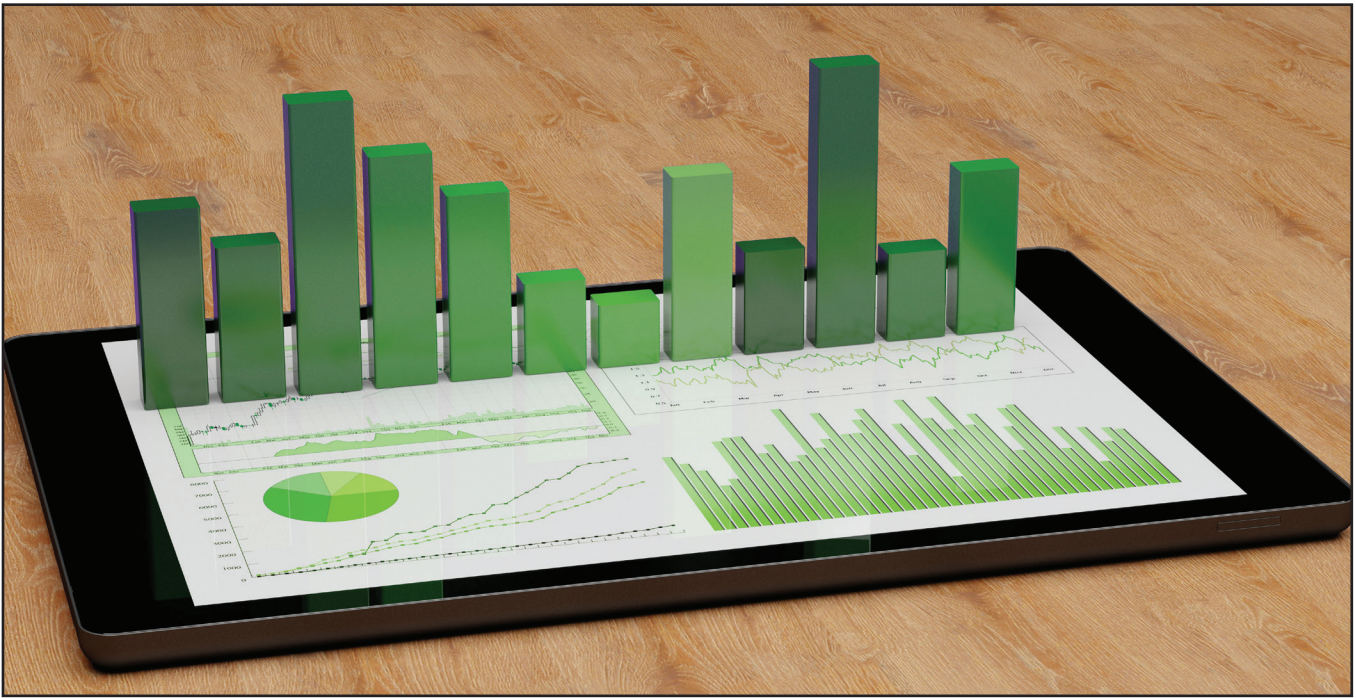
> ***Professionally supported –*** timely technical support provided by Trinity, and backed by software solution providers

Data Integration and Automation (DIA) Application
We developed the DIA application to automatically retrieve client specified data from process historians and transmit the results to a third-party software vendor. The DIA application can also perform the compliance related air emissions calculations and reporting functions as a standalone software product, allowing users to reduce the data and validation burden of emission calculations by automating the calculation process for various reporting requirements with the DIA application. DIA enables users to:

▶ Manage the system hierarchy
▶ Organize emission sources for multiple sites
▶ Create/update calculation equations and maintain constants
▶ Set/manage tags and limits for process data values and calculated results
▶ Generate reports
▶ Send automated emails regarding data errors and changes made to equations, sources, and limits

The EHS Digital Solutions Difference

Established in 1995, Trinity was the first service provider in the marketplace with a dedicated EHS technology business. Today, our EHS Digital Solutions team helps organizations plan and implement technology solutions to meet their EHS needs around functionality, legacy systems integration, timing, and budget. Our key difference is grounded in our deep, specialized expertise in operational and EHS regulatory compliance issues; with unmatched technical and industry-specific knowledge.

Our extensive experience in delivering a high-value EHS technology solutions has enabled us to ensure Agile and nimble response to clients' needs; delivering exactly the right expert with exactly the right experience, knowledge, and solution for a specific need.

Finally, high quality of thought in our work (e.g., analyses, reports) and client service and support from talented consultants, result in solutions that enhance clients' EHS performance and drive organizational value.

For assistance, please contact Jason Schmitz at jschmitz@trinityconsultants.com or Meghan Foley at mfoley@trinityconsultant.com or call 800.229.6655.