



creative thinking. custom solutions.

VISION

We seek innovative and creative solutions.

We nurture our people with growth and development opportunities.

We build enduring, trustful relationships with each of our clients.

We focus on high ethical and safety standards.

SINCE 1980

WHO WE ARE

EnSafe began as a two-person firm in 1980, navigating complex regulatory compliance issues on behalf of our clients. Now with offices nationwide, we've become a recognized leader in providing engineering, environmental, health & safety, and information technology services.

We can't walk a mile in your shoes, but we can sure try to make that road smoother when it comes to your project's budget, schedule, down-line liability, community relations, management buy-in, and future longevity.



WE ARE

Biologists / Chemists

Certified Hazardous Materials Managers (CHMM)

Certified Industrial Hygienists (CIH)

Certified Safety Professionals (CSP)

Computer Specialists (GISP, Application Developers)

Ecologists / Geophysicists

Licensed Environmental Professionals (LEP)

Microsoft Certified Professionals

Professional Engineers (PE)

Professional Geologists (PG)

Professional Wetland Scientists (PWS)

Project Management Professionals (PMP)

Qualified Hydrologic Professionals (QHP)

Risk Assessors (Human Health & Ecological)

CREATIVE THINKING.

Your to-do list is full.

We've got you covered when it comes to ...

Environmental Management & Planning

Custom Solutions. More than a tagline.

As our founder likes to say, we're truly "brainpower by the hour."

We think, question, disrupt, learn, listen, understand, ... and then design front-edge environmental solutions that are smart, nimble, and strategic.

Civil / Design Engineering

One size doesn't fit all.

In a "sea of sameness" our engineering solutions stand out. Why?

They're customized to each client, to each project, to each site. And to satisfy budget and schedule constraints, as well as longand short-term goals.

Natural & Water Resources

Protecting what matters.

The lack of standards when it comes to ecological receptors can lead to time-consuming, expensive, difficult to understand, and ineffectual assessments.

We apply sound science and regulatory expertise to achieve clear, efficient, and economical results.

Health & Safety

Freedom to do what you do best.

Your people are your lifeblood. (Our people are ours, too!)

Our top priority is protecting your people, so their top priority can be focusing on your core business.

CUSTOM SOLUTIONS.

Environmental Restoration

Tackling tough challenges.

Engineering News-Record consistently ranks EnSafe among the top environmental and design firms because we're able to solve our clients' toughest environmental challenges with cradle to grave expertise.

Technology

Award-winning for good reason.

Today's environmental, health and safety issues can seem monumental. We harness technology to move from the Information Age into the Knowledge Era.

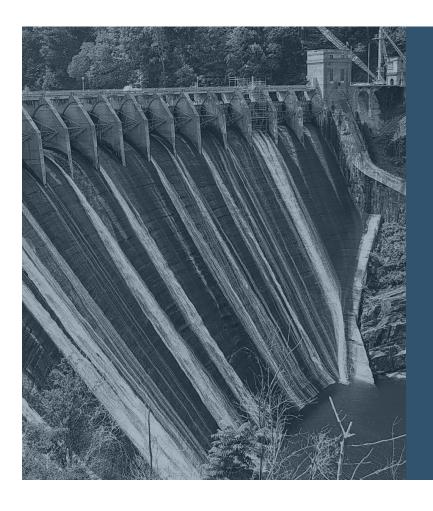
We make your challenges not only manageable; we transform them into empowering assets.



OUR CLIENTS

Client diversity inspires our creativity.

To say our client roster is diverse is quite an understatement. One thing all of our clients have in common — we've earned their trust through hard work, expertise, resources, and a genuine commitment to more than just offering short-term solutions. We build long-lasting relationships and enduring results.



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EnSafe personnel always think about the issues as if they were in your shoes as owners of the business.

"

Kim Burke (ret) Taft Stettinius & Hollister LLP

- Government (Federal, State, Local)
- Aerospace
- Manufacturing
- Ag Chem / Pesticides & Fertilizer
- Power / Utilities
- Mining & Mineral Processing
- Oil & Gas / Petroleum
- Real Estate
- Legal Services

- Primary & Secondary Metals
- Chemicals
- Transportation / Ports & Goods
- Automotive
- Waste Management
- Healthcare / Pharmaceuticals
- Pulp & Paper / Forestry Products
- Food & Kindred Products

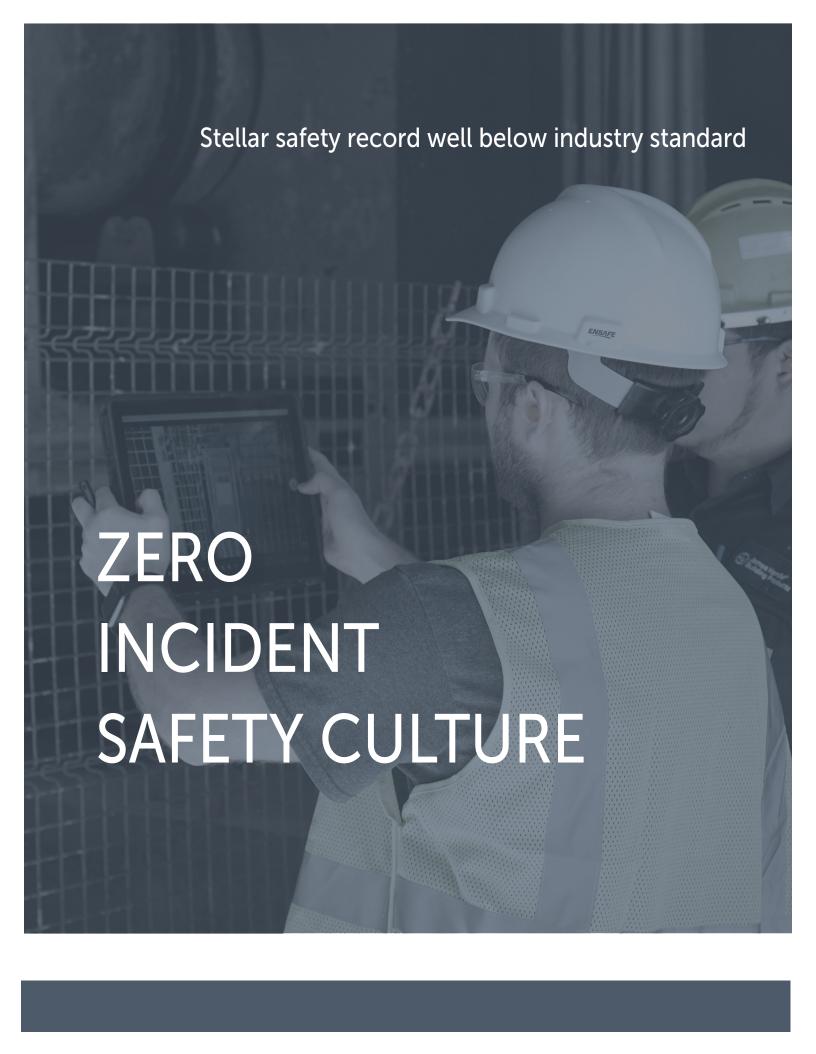


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I confidently recommend the EnSafe team ... efficient, responsive, excellent communication skills. They are proactive in anticipating potential problems, making necessary changes to adapt to evolving projects, and managing costs.

"

Sherell Heidt Texas Commission on Environmental Quality



NATIONAL RESOURCES LOCAL RELATIONSHIPS

Biologists / Chemists

Certified Hazardous Materials Managers (CHMM)

Certified Industrial Hygienists (CIH)

Certified Safety Professionals (CSP)

Computer Specialists (GISP, Application Developers)

Ecologists / Geophysicists

Licensed Environmental Professionals (LEP)

Microsoft Certified Professionals

Professional Engineers (PE)

Professional Geologists (PG)

Professional Wetland Specialists (PWS)

Project Management Professionals (PMP)

Qualified Hydrologic Professionals (QHP)

Risk Assessors (Human Health & Ecological)



WHERE WE ARE

Solutions provided in:

- all states & Puerto Rico
- all USEPA regions
- 60+ countries



The following seven pages highlight our capabilities in our major service offerings.

CIVIL / DESIGN ENGINEERING
ENVIRONMENTAL MANAGEMENT & PLANNING
ENVIRONMENTAL RESTORATION
NATURAL & WATER RESOURCES
HEALTH & SAFETY
TECHNOLOGY

INTRODUCING ... ENSAFE INC.

EnSafe Inc. is a global professional services firm providing engineering, environmental, health & safety, and technology services to industry and government clients worldwide. Our dedication to the stewardship of our clients' resources is best explained by one of our longstanding clients: "EnSafe personnel always think about the issues as if they were in your shoes as owners of the business." Regulators know us as technically competent and appropriately assertive in representing our clients' best interests. What really sets us apart is our outside-the-box thinking that leads to innovative and cost-effective solutions.

ENVIRONMENTAL MANAGEMENT & PLANNING

Compliance Auditing
Cost Estimating for Financial Reserves
Due Diligence / Mergers & Acquisition
Support

Emergency Response & Preparedness Environmental Compliance

Environmental Management Systems (EMS) / ISO14000

Environmental Training

Permitting

Phase I / II Environmental Site Assessments

Regulatory Interpretation / Negotiations

DESIGN ENGINEERING

Civil Site Planning and Land
Development
Hydrology and Hydraulics
Construction Management
Industrial Wastewater Engineering
Remediation Engineering
Process/Facility Engineering

TECHNOLOGY

Software Development Geographic Information Systems Network Infrastructure / Databases and Reporting

HEALTH & SAFETY

Occupational Safety and Health Administration (OSHA) Compliance

Industrial Hygiene / Indoor Air Quality Assessments

Health & Safety Training

Process Safety Management

Safety Management Systems (VPP / OHSAS 18001 / ANSI Z10)

Construction Safety Support

Electrical Safety / Lockout / Tagout

Fire Protection and Life Safety Engineering

Machine Guarding Risk Assessments

Confined Space Hazard Assessments EHS Staff Augmentation Services

ENVIRONMENTAL RESTORATION

Site Investigation
Risk Assessment
Remediation
Decontamination / Decommissioning
Emerging Contaminants (PFAS,
1,4-dioxane, etc.)

NATURAL & WATER RESOURCES

National Environmental Policy Act (NEPA)
Ecological Resources Management &
Planning
Wetlands Delineation / Mitigation /

Wetlands Delineation / Mitigation / Banking

Stream Alteration / Restoration

creative thinking. custom solutions.

Over 370 employees

Locations coast to coast across the U.S.

Financially stable 40+ years

Employee-owned

EnSafe Edge

Cost-Effective, Custom Solutions
Technical Expertise and Experience
Award-Winning Technologies

Technical Expertise

Biologists / Chemists

Certified Hazardous Materials Managers (CHMM)

Certified Industrial Hygienists (CIH)

Certified Safety Professionals (CSP)

Computer Specialists (GISP, Application Developers)

Ecologists / Geophysicists

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Professional Geologists (PG)

Professional Wetland Scientists (PWS)

Project Management Professionals (PMP)

Qualified Hydrologic Professionals (QHP)

Risk Assessors (Human Health & Ecological)

Contact Us

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ENGINEERING

Customized Engineering Solutions - Concept to Commissioning

One size doesn't fit all. That's why EnSafe's engineering solutions are customized to each of our client's unique project goals. Our engineers is committed to developing cost-effective, site-specific solutions to accomplish both long- and short-term goals. We focus on providing our clients with the complete picture – specific goals, constraints, and risks clearly communicated. This "front and center" approach drives strategic, nimble delivery.

CIVIL SITE PLANNING & LAND DEVELOPMENT

Master Planning Grading & Stabilization Design Landfill/Leachate Design & Management Sewer Utilities Design & Relocation Roadways, Driveways, Sidewalks & Parking Lots Green Infrastructure/Low Impact Design

HYDROLOGY & HYDRAULICS

Stormwater Management Design Stream & Wetland Restoration Drainage Design

CONSTRUCTION MANAGEMENT

Design/Build **Turn-Key Solutions CEI Services** Construction Oversight & Management

INDUSTRIAL WASTEWATER **ENGINEERING**

Industrial Wastewater Process Design Industrial Wastewater Treatment Treatability/Pilot Testing **Emerging Contaminant Treatment** Waste Minimization & Reuse Collection & Storage Systems Optimization, Operations & Maintenance

REMEDIATION ENGINEERING

Groundwater, Soil, Air, Leachate Treatment **Innovative Technologies Pilot Studies** Vapor Intrusion Operations & Maintenance Remedy Optimization Emerging Contaminant Assessment & Remediation (PFAS, 1,4-dioxane, etc.) Decontamination/Decommissioning

PROCESS/FACILITY ENGINEERING

Process Water Systems Ventilation Systems Condensate Collection & Treatment Water Balance Auditing & Conservation Chemical/Gas Cylinder Storage & Containment Areas Utility Mapping (Gas, Water, Compressed Air, Nitrogen) Discharge/Waste Minimization Equipment Upgrades/Retrofits Instrumentation & Controls, Remote Telemetry Improvements Real-Time Monitoring & Data Collection Safety Equipment/Protections Decontamination/Decommissioning

40+-year successful track record Coast to coast projects & relationships Sustainable, practical, technology-driven

Technical Expertise

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Chemical Engineers Civil Engineers **Environmental Engineers Industrial Engineers** Mechanical Engineers

Representative Clients

Carrier Raytheon **Technologies** Lockheed Martin Collins Aerospace Novelis Dal-Tile Corportation City of Pomona, CA Weverhaeuser Helena Chemical Buchanan Oil & Gas Marubeni-America Goodyear Tire & Rubber

Department of Energy U.S. Navy U.S. Army Corps of Engineers

City of Memphis, TN City of Tampa, FL **Shelby County**

TN Community Redevelopment Agency

BFI Waste Services

Contact Us

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Bridget Morello, PE (813) 734-7985 (813) 205-2355 cell bmorello@ensafe.com





ENVIRONMENTAL MANAGEMENT & PLANNING

Applying Innovation and Creativity to Compliance and Permitting Challenges

Environmental stewardship requires robust management and planning. Our diverse staff of environmental specialists are ready to apply innovation and creativity to whatever challenges your business currently faces within the myriad of local, state, and federal regulations. Whether we are charged with evaluating the compliance status of an industrial facility, quantifying environmental liabilities and risks, or assessing properties for real estate transactions, we are committed to providing you with pragmatic, cost-effective strategies for maintaining compliance,

minimizing liabilities, and improving environmental performance.

REGULATORY COMPLIANCE AUDITS

Corporate Audit Programs, integrating RCRA, CWA, CAA, TSCA, EPCRA, CERCLA, SDWA, FIFRA, & UST obligations

Focus on Local, State, & Federal Requirements, Corporate Policies, Facility Procedures, and/or Best **Management Practices**

Single-Media to Multimedia Approach Operational Compliance Assessments

PERMITTING

Clean Water Act Clean Air Act Resource Conservation & Recovery Act Ecological (wetlands) Operational Changes / Facility **Expansions**

COMPLIANCE MANAGEMENT

Air Quality Management Water Quality Management (Wastewater & Storm Water)

Waste Minimization, Pollution Prevention, Materials Management (including emerging contaminants like PFAS, 1,4-dioxane, etc.)

Emergency Management, Contingency & Spill Response Plans

Management System Evaluations & Risk **Management Tools**

Environmental Management Systems / ISO 14001

COMPLIANCE ASSISTANCE

Monitoring Changes in Law, Regulations, & Rulemaking **Providing Regulatory Interpretations** "Regulatory Helpdesk" Support Report Filing Assistance and Submittals

ENVIRONMENTAL / **HEALTH & SAFETY** RESPONSIBILITY TRAINING

Facilitating or Supervising Corrective Action Implementation Community Relations Environmental Liability Assessments Comprehensive EH&S Due Diligence **Audits**

Phase I/II Environmental Site Assessments

Transaction Screens Land Contamination & Brownfields Issues Other Merger & Acquisition Support

Flexibility: Multi-year nationwide audit programs or sole-media consulting of a single process

creative thinking. custom solutions.

Multi-regulatory program experience in 45 states and all ten U.S. EPA regions

Keen perception of how specific actions affect long-term, sustainable improvements in environmental performance

Emphasis on understanding processes and client objectives versus use of generic checklists

Experience working under Attorney-Client Work Privilege and managing sensitive client issues

Realization of both corporate and operating unit objectives and effectively communicating across lines by adapting to client culture

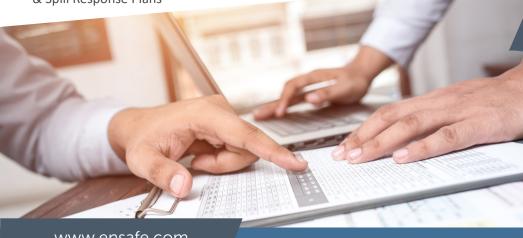
Technical Expertise

Cost Estimating for Financial Reserves Regulatory Interpretation / Negotiations Litigation Support **Innovative Software Solutions** Corporate Audit Program Management

Contact Us

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ENVIRONMENTAL RESTORATION

Finding Optimal Solutions to Your Environmental Issues

EnSafe's experienced environmental restoration professionals are equipped to restore your resources to renewed productive reuse – whether environmental remediation of a previously contaminated site, redevelopment of a Brownfields property to serve the local community, or decontamination and decommissioning of a site for reuse by an incoming industry. We ask the right questions to define the problem and design a solution that considers traditional constraints, such as budget, downline liability, schedule, community relations, and management buy-in.

FIELD INVESTIGATION

Sampling Plan Design
Groundwater, Soil, & Direct-Push
Technology Sampling
Soil-Gas Surveys
Field Sample Management
Investigation-Derived Waste
Management
Response Strategies for Emerging
Contaminants (like PFAS,
1,4-dioxane, etc.)

ENVIRONMENTAL MODELING

Hydrogeologic Modeling
Geochemical Modeling
Fate & Transport Modeling
Spatial & Trend Analysis
Statistical Analysis
Conceptual Site Model Development
Forensic "fingerprinting" for reliable
source identification, age-dating,
and fate and transport evaluations

RISK ASSESSMENT

Ecological & Human Health Assessment
Data Quality Objectives & Planning
Risk Evaluation of Removal
Alternatives
Independent Technical Review
Risk Management Support / Training

ANALYTICAL SERVICES

National & Local Subcontract Laboratories Data Validation Data Management & Electronic Storage

REMEDIATION

Monitored Natural Attenuation Enhanced biological and geochemical injections

Groundwater Containment /
Hydraulic Controls, Capping,
Slurry Walls /Barriers, Trench
Collection, and Permeable
Barriers

Excavation & Disposal / Waste Profiling, Transport, Disposal

In Situ Heating Low-Temperature Thermal Desorption

Vapor, Liquid, and Multi-Phase Extraction

Fast-Water Oil Spill Response Emerging Contaminant Remediation (PFAS, 1,4-dioxane, etc.)

GEOLOGICAL SERVICES

Monitoring Well Design & Installation Recovery Well Design & Installation Soil Borings Lithologic Interpretation Surface and Borehole Geophysics

COMMUNITY RELATIONS

Community Outreach Programs
Planning, Training
Multimedia Public Meeting Support
Public Document Repository
Maintenance

Cost-Saving, Innovative Solutions National Contracts with Laboratories National Contracts with Drillers In-House Geophysics

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Technical Expertise

Registered Professional Engineers Registered Professional Geologists Nationally Certified Professional Geologists

Certified Hazardous Materials Managers

Clients

Tennessee Department of Transportation Helena Chemical Company Raytheon Technologies

Terminix

U.S. Navy

Weyerhaeuser

ServiceMaster

ALCOA

Contact Us

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NATURAL AND WATER RESOURCES

Protecting what matters

Protection and management of natural resources (our streams, wetlands, and endangered species) can have a significant impact on project schedules and budgets. Given today's complex regulations and the ever-increasing emphasis on judicious natural-resource management methods, partnering with a knowledgeable, responsive, and reliable consultant is essential.

EnSafe's track record of technical and regulatory expertise has earned us the high regard of both our clients and environmental regulatory agencies.

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AQUATIC RESOURCE SITE ASSESSMENTS

Site Aquisition Due Diligence Wetland Delineations Hydrologic/Stream Determinations Jurisdictional Determination Guidance

Mitigation and Impact Cost Estimates 404 Permitting and 401 Certifications ARAP Permitting (Tennesee) State agency and USACE Coordination

WETLAND AND STREAM MITIGATION SERVICES

Site Feasibility Studies
Wetland and Stream Mitigation Plans
Hydrologic Restoration Design
Vegetative Restoration Design
Bank Prospectus / Instrument
Development
Permittee-Responsible Mitigation
Restoration Construction and
Revegetation

Wetland and Stream Mitigation Monitoring

RARE, THREATENED, AND ENDANGERED SPECIES

Site Acquisition Due Diligence
Section 7 Consultations
Rare, Threatened, & Endangered
Species Surveys and Assessments
Bat Habitat Assessments
Mist Netting, Acoustics, and Telemetry
Vegetation / Tree Surveys and
Inventory

WATER QUALITY ASSESSMENTS

Stream Habitat Surveys Benthic Macroinvertebrate Sampling Analytical Sampling

RELATED ECOLOGICAL SERVICES

National Environmental Policy Act (NEPA) Ecological Risk Assessment Erosion Prevention and Sediment Control Full spectrum environmental service professionals, including biologists, ecologists, wetland scientists, risk assessors, GIS technicians, landscape designers, engineers, geologists, and chemists

Technical Expertise

Professional Wetland Scientists (PWS)
Professional Engineers (PE)
Professional Geologists (PG)
Qualified Hydrological Professionals (QHP)
Certified Professionals in Erosion and
Sediment Control (CPESC)
Certified Ecologists
Level 1 and 2 Erosion Prevention Sediment
Control

Clients

U.S. Navy
Defense Logistics Agency
U.S. Department of Transportation—
Surface Transportation Board
Tennessee Valley Authority
Tennessee Department of General Services
Louis Dreyfus Company
Weyerhaeuser Co.
Shelby County Government

Contact Us

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Will Gray (972) 865-4862 wgray@ensafe.com





HEALTH AND SAFETY SERVICES

Freedom to do what you do best

creative thinking, custom solutions.

EnSafe Inc. understands that the lifeblood of any successful organization originates with its people. When workers are protected, they are freed to focus on your company's core business. Our top priority at EnSafe is providing cost-effective, creative solutions to your most challenging health and safety issues.

EnSafe's Health & Safety Team helps you protect your most valuable resource ... your people.

COMPLIANCE

Occupational Safety and Health Administration (OSHA Compliance Auditing Job Hazard Analysis Personal Protective Equipment

Assessments & Selection

Gap Analysis

Due Diligence / Expert Witness Lockout / Tagout Procedures Confined-Space Hazard Assessments

INDUSTRIAL HYGIENE

Baseline & Periodic Air Sampling
Indoor Air Quality Assessment
Microbiological (Mold) Assessments
& Solutions

Program Evaluation & Development Noise Evaluations & Controls Ventilation System Assessment Chemical Exposure & Control Assessments

Asbestos & Lead Assessments

TRAINING

Hazardous Waste Operations & Emergency Response (HAZWOPER)

Traditional & Virtual Training
OSHA Compliance

HEALTH AND SAFETY

Program Development & Review
Voluntary Protection Program (VPP)
Support & Mentoring
Safety Staff Augmentation
OSHA Compliance Liaison
Occupational Health & Safety
Management Systems &
Implementation Plans

Database Safety Management Systems Ergonomics Assessments

PROCESS SAFETY MANAGEMENT

Process Safety Management (PSM)
Development
Process Hazard Analysis (PHA)
PSM Compliance Audits
Mechanical Integrity Programs

SAFETY ENGINEERING

Machine-Guarding Assessment & Solutions
Construction Safety Support
Incident Investigations

Electrical Safety (NFPA 70E)

Risk vs. Compliance Solutions
U.S. & Global Experience
Insourcing & Outsourcing Solutions
Turnkey Health & Safety Solutions
Comprehensive Health & Safety Services
Professionally Certified Staff

Technical Expertise

Certified Industrial Hygienists (CIH)
Certified Safety Professionals (CSP)
Certified Professional Engineers (PE)
Certified Hazardous Materials Manager
(CHMM)

Clients

Owens Corning Retia
Avery Dennison Nissan
International Paper WestRock
Raytheon Technologies BAE Systems
Aleris International Lockheed Martin
Hydro Extruded Solutions
Tennessee Valley Authority

Contact Us

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TEL 800.588.7962



www.ensafe.com

ENGINEERING | ENVIRONMENTAL | HEALTH & SAFETY | TECHNOLOGY



TECHNOLOGY SERVICES

Customized Technology Solutions

EnSafe Inc.'s Technology Division is comprised of three technical support groups —Software Services, Computer-Aided Drafting (CAD), and Geographic Information Systems (GIS). With our Technology Division, additional services (engineering, environmental, and health & safety), and strategic alliances, EnSafe builds teams of highly qualified technical professionals with business domain expertise.

EnSafe specializes in technologies that optimize our clients' business processes — from systems planning and software to interactive mapping and infrastructure management.

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DELIVERABLES, MAPPING, AND IMAGERY

Survey data

Imagery and aerials

Field sketches

Health and Safety document support

Building Evacuation Plans

SWPPP (Storm Water Pollution

Prevention Plans)

SPCC (Spill Prevention, Control and Countermeasure)

Geological cross sections and sampling

Phase 1 Figures

Noise Mapping

Data Collection

Potentiometric Surface mapping

Interpolation Tools

Web Viewers

Hydrologic Modeling

DESIGN/BUILD PLANS

Construction Documents for Environmental, Civil, Structural, Mechanical, Chemical Engineering and Architectural Disciplines

TECHNICAL EXPERTISE AND APPLICATIONS

Autodesk Civil 3D

Adobe X

Trimble

EoS Positioning Systems

Real-Time Kinematic (RTK) GPS

Topcon Total Station

ESRI

ArcGIS Collector

ArcGIS for Desktop

ArcGIS Pro

Survey 123

Story Maps for ArcGIS

Field Maps for ArcGIS

ArcGIS Enterprise

Microsoft

.NET Development

PowerApps

PowerBi

Microsoft SQL Server

Reporting Services

EarthSoft EQuIS

Google

Earth Pro

SketchUp

Rockworks

Various Forms development software

Proven business DOMAIN expertise
Award-winning technologies
Efficient development methodologies
Current technology investment
maximization
Focus on improving company bottom-line

Clients

Tennessee Department of Transportation Accredo Health, Inc.

Ergon Inc.

United Technologies Corp.

Weyerhaeuser Co.

Memphis / Shelby County Government

U.S. Navy

Contact Us

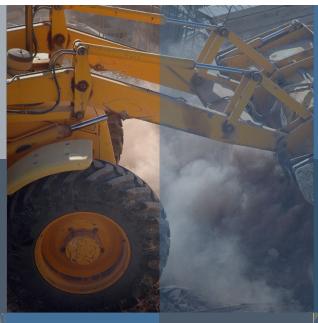
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To find out why
more are joining our fold of
long-standing, loyal clients, contact us at
800.588.7962 or BDTeam@ensafe.com.

We're excited to begin a relationship.





creative thinking. custom solutions.







engineering environmental health & safety technology

