ESIS Health, Safety and Environmental (ESIS HSE) is a leading provider of Health, Safety and Environmental (HSE) consulting and compliance services. Our relentless focus on the customer experience is why our customers describe us as focused, experienced, flexible, creative and efficient.

ESIS takes a hands-on approach. We start by evaluating risks and relevant factors such as culture, communications, regulations and diverse political and economic situations that affect your operations. This provides the basis for the development, implementation and evolution of a comprehensive HSE program – one that blends processes and procedures with tools and systems to ensure excellent results.
Health, Safety, Environmental and Sustainability
Create a healthier and more productive work environment for employees by helping your business reduce the workplace hazards and organizational risk factors that cause occupational illnesses. ESIS consultants assist in the development of tactical solutions for rapid results and strategic initiatives to integrate effective risk management processes into your operations. As a result, we help your business demonstrate HSE value.

**Industrial Hygiene**

We help you customize Industrial Hygiene (IH) services to meet your needs. Services can vary from general identification and evaluations to in-depth assessments of a facility, department, or operation.

Led by our team of Certified Industrial Hygienists (CIHs) averaging more than 20 years of experience, our highly credentialed and experienced teams help protect your employees’ health and helps your organization meet applicable government regulations and industry standards.

**Our IH services include, but are not limited to:**

- IH assessments
- IH program audit or review
- Indoor air quality assessments
- Occupational disease investigations

**ESIS Laboratory**

ESIS’ owned and operated American Industrial Hygiene Association (AIHA) accredited Environmental Health Laboratory (EHL) provides sampling media and analyzes samples taken to evaluate employee exposures to dust and chemicals used in the workplace using Occupational Safety and Health Administration (OSHA), National Institute for Occupational Safety and Health (NIOSH) and in-house methods.

**Services include:**

- Organic solvent analyses by gas chromatography with flame ionization, nitrogen/phosphorus and electron capture detectors
- Total, respirable and inhalable dust analyses using micro balances in our environmentally controlled room
- Welding fume and metals analyses using Atomic Absorption Spectroscopy (AAS)
- Organics analyses of Polycyclic Aromatic Hydrocarbons (PAHs), aldehydes and pesticides using liquid chromatography with an Ultra Violet (UV) diode array detector
- Analyses of anions and cations by ion chromatography with conductivity detection
- Asbestos bulk identification and quantitation of air fiber concentrations by polarized light and phase contrast microscopy
- Thermal desorption collection of samples and subsequent sub part per billion (ppb) analysis using gas chromatography/mass spectroscopy analyses (EPATO1/TO2)
- Minican/whole air canister collection of samples and subsequent sub part per billion (ppb) analysis using gas chromatography/mass spectroscopy analyses (EPATO14/TO15)
- Oil quantitation using either Infrared spectrophotometry or liquid extraction using the American Society for Testing and Materials (ASTM) protocol
- Spore trap and fungal tape analysis to determine airborne and surface contamination of fungi/mold

Simplicity of approach is a keystone of the ESIS HSE service process. We have a commitment to open personal communication with our clients and we have the depth and scope of products and services to be your exclusive HSE business partner.
**Ergonomics**

ESIS ergonomics evaluations and training services integrate sound ergonomic principles with practical, cost-effective solutions that help you reduce ergonomic losses, promote employee comfort, and maximize productivity gains. Our approach to engineering controls utilizes analytical methods to quantitatively assess occupational risk factors and prioritize tasks to help you achieve maximum loss reduction benefits from job design interventions. Through ergonomic program development and training, we strive to inject ergonomics principles into the culture of an organization so that changes can be lasting and the benefits long-term.

**Occupational Safety**

ESIS HSE offers a broad range of safety consulting services that address hazards and exposures affecting employees and the general public. Our consultants assist in the development of strategic and tactical solutions that produce rapid results integrating effective risk management processes into your operations.

We have substantial expertise in delivering consulting, training and other technical assistance in areas of safety relevant to commercial, industrial and service sectors.

ESIS consultants will work with you to develop and implement HSE programs and processes specific to your requirements and aligned with your organization’s business strategies. We can also help you streamline your overall HSE processes by evaluating existing programs and integrating them into your current business operations.

**Services include:**

- Construction safety
- Occupational safety
- Motor fleet safety
- Products liability
- Public liability
- Behavioral risk reduction
- Life safety
- HSE management systems
- Regulatory applicability analysis
- HSE auditing
- HSE strategic planning

**Public Liability**

ESIS develops overall loss management processes to handle public exposures and risks. We contribute to overall effectiveness by helping to prevent accidents and control costs for clients in retail, food service, manufacturing, aerospace, healthcare and many other industries.

- Food Safety
- Life Safety
- Security Liability
- Slip/Fall Prevention

**Fleet/Transportation**

ESIS is results-oriented in our approach to providing state-of-the-art transportation safety assessments. We add value via expert program development, staff and management training and a wide range of customized services. Our experienced staff possesses in-depth knowledge of current regulatory standards and issues related to transportation.

- Claims Management Procedures
- Defensive Driving
- Desktop Review
- Driver Aware Training
- Loss Control/DOT
- Mock Audit
- Management Safety Process Evaluation
- Safety Alert
- Safe-Sim Truck Driving Simulator
- Substance Abuse Programs
- Specialty Loss Control Programs
Products Liability

Our Products Liability staff works closely with management and engineering personnel of manufacturing, wholesale, retail or servicing operations to help identify existing and potential products liability exposures from present and past products and/or service activity. We assist in identifying possibilities for products failure or misuse and the corresponding injury, property damage or consequential loss resulting from each product or service. These exposures are evaluated to determine possible corrective actions to improve loss prevention and reduction techniques. Using a systematic and comprehensive approach, we can provide assistance for the following critical areas of operations:

- Management Policies and Procedures
- Product Design/Compliance
- Quality Control
- Product Warning Labels/Instructions
- Legal and Risk Transfer
- Record Keeping
- Recalls
- “CE” Mark Consultations

Environmental Management

ESIS HSE offers a full suite of environmental consulting services, including environmental compliance and environmental management systems strategic and technical support. Our environmental staff is comprised of subject matter experts with extensive experience in environmental auditing, permitting, program development, implementation, management, training, recordkeeping, data management, communications and reporting. Subject areas cover management of air quality, wastewater, solid waste and hazardous materials; emergency preparedness and response; environmental impact analysis and reduction; environmental management systems; and sustainability.

Service areas include:

Compliance Assessments

- Compliance audits
- Gap assessments
- Strategic compliance planning

Wastewater Management

- Local, state and Environmental Protection Agency (EPA) wastewater management reporting
- Wastewater permitting
- Storm water pollution
  - Annual reports
  - Storm water monitoring programs
  - Training
- Water use reduction

Waste Management

- State and EPA waste management reporting
- Permitting
- Source reduction
- Program development/revisions
- Recycling program
- Training
Air Quality Management

- Local, state and EPA air quality management reporting
- Air emissions inventories
- Air quality permits
- Recordkeeping
- Program development
- Training

Hazardous Materials Management

- Local and state hazardous materials usage and storage reporting
- Hazardous materials business plan
- Hazardous materials inventory
- Asbestos, lead and mold management
- Training
- Phase I/Phase II Environmental Site Assessment (ESA), Environmental Assessment (EA), Environmental Impact Statement (EIS)
- Subsurface investigations
- Site characterization and remediation
- Underground storage tank management

ESIS On Call is an automated, web-based environmental emergency response platform that provides property owners and risk managers access to a coordinated response tool that allows you to address building- or facility-related environmental and industrial hygiene concerns, whether these occur as the result of water intrusion, mold, sewage, air quality, or impact to hazardous building materials. ESIS On Call affords you timely incident reporting, response coordination, and prompt dispatch of environmental response services and allows for competitive price solicitation, bid comparison, and contractor selection through the system. Coupled with technical oversight and cost containment management provided by ESIS Emergency Response Coordinators, the platform offers you integrated management of an environmental emergency response, from initial incident triage through response completion.

Emergency Preparedness and Response

- Training
- Toxic Release Inventory (TRI) reporting
- Tier I and Tier II reporting

Environmental Impact Analysis and Reduction

- Energy and carbon footprint
- Greenhouse gas emissions
- Solid waste (hazardous and non-hazardous)
- Water
- Procurement
- Supply chain
- Product design (lifecycle analysis, design for environment, environmental product declarations)
- Building design
- Training
- Environmental management systems
ESIS On Call is an automated, web-based environmental emergency response platform that provides property owners and risk managers access to a coordinated response tool that allows you to address building- or facility-related environmental and industrial hygiene concerns, whether these occur as the result of water intrusion, mold, sewage, air quality, or impact to hazardous building materials. ESIS On Call affords you timely incident reporting, response coordination, and prompt dispatch of environmental response services and allows for competitive price solicitation, bid comparison, and contractor selection through the system. Coupled with technical oversight and cost containment management provided by ESIS Emergency Response Coordinators, the platform offers you integrated management of an environmental emergency response, from initial incident triage through response completion.
Construction Safety Consulting

ESIS Construction Safety provides a “hands on” approach in handling construction and construction-related loss control activities. Our goal is to partner with your organization and become an extension of your team. We will help to reduce accidents and enhance your safety culture by developing effective solutions that can be applied to the unique characteristics of a dynamic and ever-changing construction environment.

Construction Safety services include, but are not limited to:

• Construction Site Safety Manager (CSSM) appointment
• Implementation and auditing of HSE programs
• Pre-construction planning
• Job safety task analysis
• Jobsite surveys
• Tower/mobile crane training
• Rigger/signalperson training
• OSHA 1926 10/30 hour training
• Supervisor and task specific training
• Baseline loss analysis
• OSHA VPP evaluations
• Workplace safety perception surveys

Sustainability

ESIS Sustainability services include:

Sustainability/Corporate Social Responsibility Strategy Development, Implementation and Maintenance

• Environmental, sustainability and Corporate Social Responsibility (CSR) program and standards development, implementation and maintenance (including labor practices, human rights, local community impact)
• Assessments
• Stakeholder engagement
• Training

Supplier Responsibility

• Development of questionnaires, checklists and/or tracking system
• Auditing, verification and corrective actions
• Strategy and standards development including industry standards and/or voluntary compliance, e.g. Electronic Industry Citizenship Coalition (EICC)
Data Management, Reporting and Communications

- Data tracking, management, analysis and reporting
- Data management tracking software selection, implementation and/or management
- Utility data reporting
- Sustainability/CSR reporting, e.g. annual reports, Carbon Disclosure Project (CDP) reporting, EICC, Global Reporting Initiative (GRI), etc.
- Internal and external communications including strategy, materials and content development
- Customer questionnaire response
- Assurance, auditing and/or verification

Audit Services

Management system (ISO 14001, OHSAS 18001, or DOT) and compliance-related programs are needed to meet customer or compliance requirements and to help manage and improve internal HSE performance. ESIS consulting services help you meet your HSE goals. We’ll work with you to determine which standard is right for your company or organization.

While ESIS is not a registrar for ISO or OHSAS, we can help you get on the path to achieving certification. Our gap assessment services are scalable and range from a simplified high-level review of a facility’s compliance and/or management system status to an in-depth review of all relevant compliance, management systems, perception/culture surveys, tailored webinars and best practices.

ESIS consultants work with you to develop and implement HSE programs and processes that are specific to your requirements and align with your company’s business strategies. ESIS HSE can help you streamline your company’s overall HSE processes by evaluating existing programs and integrating them into your HSE management system.

A Summary of Our Services

ESIS HSE is dedicated to providing exceptional services to our clients and establishing clear channels of communication from initial client contact through project completion. ESIS cultivates and builds rapport with clients and is available for questions and consultation at any time throughout the project. As a leading HSE consulting company, we offer prompt response and long-term project management with a staff of highly skilled, accredited personnel.

ESIS services include:

Industrial Hygiene

- IH program audit/review
- Indoor air quality assessments
- Asbestos/lead management
- Occupational disease investigations
- Noise monitoring and hearing assessments

Occupational Safety

- Written safety and health program development
- Performance measurement and tracking
- Training and course customization
- Workplace safety perception surveys
- Transportation and fleet safety

Ergonomics

- Onsite assessments (office and industrial)
- Return-to-work program development and implementation
- Efficiency and time study analysis
- Computer based software
- Office and industrial training

Liability Risk Management

- Product liability risk consultation
- General liability risk consultation
- Risk grading and benchmarking
- Product recall and disaster recovery planning
- Slip, trip and fall prevention

Environmental Compliance

- Regulatory liaison
- Permitting and reporting (air, water, waste)
- Emergency Planning and Community Right-to-Know Act (EPCRA) including Tier1/Tier II, Form R Toxic Release Inventory (TRI) recordkeeping
- Biennial hazardous waste reporting
- Storm Water Pollution Prevention (SWPP)
- Spill Prevention, Control and Countermeasure (SPCC)
- Site/division management support
- Site audit/assessment
- Phase I/Phase II ESA, EA, EIS
- Subsurface investigations
- Hazardous materials management
- Site characterization and remediation
- Underground storage tank management
Construction Safety

- Pre-construction planning
- Jobsite surveys
- Tower and mobile crane assessments
- Supervisor and task specific training
- Job safety task analysis

HSE Management Systems

- Strategic planning
- Risk assessments
- ISO 14000/OHSAS 18000
- OSHA VPP Support
- Restriction of Hazardous Substances (ROHS), Waste Electronic and Electrical Equipment (WEEE) and Registration, Evaluation, Authorization and Restriction of Chemical Substances (REACH)
- Toxic Substances Control Act (TSCA) compliance
- Toxics Use Reduction Act (TURA) and byproduct reduction programs
- HSE management system development and assessments
- Regulatory applicability analysis

Sustainability

- Carbon footprint determination
- Greenhouse gas emission management
- Sustainability assessments
- Product lifecycle assessment
- Industrial energy use management
- Clean technologies – manufacturing and power generation
- U.S. and international greenhouse gas credits and legislation

Corporate Social Responsibility

- Strategy, communications and research
- Stakeholder engagement
- Auditing and verification

ESIS Health, Safety and Environmental Shared Services Model

ESIS’ outsource model provides a wide range of support for companies working to develop a comprehensive and proactive HSE program. Our full- and part-time employees can supplement your company’s existing staff, providing strategic and compliance-based support to help you implement new HSE initiatives on time and on budget.

Training

Our technical subject matter experts provide a full range of HSE training services to our client base. ESIS’ training services can be developed to meet your internal and site specific objectives, supported by presentations, blended learning and training retention materials. ESIS also has the ability to provide a number of training delivery options that best match the needs and availability of employees and contractors, including in-person, webinar and cloud-based platforms.
Organized in 1953, ESIS, Inc. (ESIS) provides customized risk management services. ESIS is a Chubb company. Chubb is the marketing name used to refer to subsidiaries of Chubb Limited providing insurance and related services. For a list of these subsidiaries, please visit our website at www.chubb.com. Chubb is the world’s largest publicly traded property and casualty insurance group. With operations in 54 countries, Chubb provides commercial and personal property and casualty insurance, personal accident and supplemental health insurance, reinsurance, life insurance and related services to a diverse group of clients. Chubb Limited, the parent company of Chubb, is listed on the New York Stock Exchange (NYSE: CB) and is a component of the S&P 500 Index. Additional information about Chubb can be found at www.chubb.com. Additional information about ESIS, Inc. and its products and services can be found at www.esis.com. ©2016 ESIS®, Inc. All rights reserved.