

The background of the slide features a photograph of several large, blue industrial barrels stacked in rows. The barrels are cylindrical with visible rivets and are set against a bright, clear sky. The lighting is bright, creating strong highlights and shadows on the barrels' surfaces.

Chubb Global Risk AdvisorsSM

CHUBB[®]

Chubb Global Risk
Advisors craft innovative
and effective solutions to...

- Make your workplace safer
- Prevent or mitigate property damage
- Minimize environmental impact
- Improve productivity
- Leverage technology to bring new efficiency to standard operating procedures



Our network of 550 experts have deep expertise in an ever-expanding array of consulting disciplines – including risk engineering, environmental, health, and safety – and a relentless focus on one thing:

what matters to you.



Our solutions are innovative and client-focused, customized to achieve your specific goals, and deliver measurable benefits.

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 Environmental, Health and Safety (EHS) program – one that blends processes and procedures with tools and systems to ensure excellent results – and/or a long-term property protection and property conservation solution.

Chubb Global Risk Advisors will work with you to develop and execute solutions that align with your organization's vision and values and enable you to streamline your overall risk, compliance, and sustainability objectives.

Audit Services

Management systems (ISO 14001, ISO 45001, VPP) and compliance-related programs are needed to meet customer or regulatory requirements and help manage and identify opportunities to improve internal EHS performance. Chubb Global Risk Advisors will partner with you to determine which standard is best for your company or organization.

While Chubb is not a registrar for ISO, 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 encompassing compliance, management systems, processes, and best practices.

Chubb Global Risk Advisors can help you streamline your company’s overall EHS processes by evaluating existing programs and integrating them into your EHS management system to drive strong organizational involvement and commitment.

Building Sciences & Environmental Engineering

Our Building Science and Environmental Engineering team’s philosophy is to deliver focused, cost-effective strategies and implement state-of-the-art building assessment and sampling methodologies to assist our clients in managing the EHS risks associated with the ownership or management of commercial, industrial, and municipal properties.



Our goal is to provide high-quality field services and written assessments that are scientifically defensible, limit our client’s liability, and provide usable data to reduce or eliminate EHS issues that impacts on business objectives.

Services include:

- Asbestos, lead, and mold management
- Phase I/Phase II Environmental Site Assessment (ESA), Environmental Assessment (EA), Environmental Impact Statement (EIS)
- Subsurface investigations
- Site characterization and remediation

Construction Safety

Chubb Global Risk Advisors’ Construction Safety experts provide a fully integrated, dedicated, and focused approach to help clients maximize control of their construction risk management program. We partner with clients by becoming an extension of your management team to assist you in managing compliance with Federal and state worker safety regulations. Our goal is to provide effective solutions that can be applied to the unique characteristics of a dynamic and ever-changing construction environment to help eliminate accidents, reduce downtime, and enhance your safety culture.

The Chubb Global Risk Advisors Construction Safety team begins a project by understanding the client’s operations and goals.

Services include:

- Construction Site Safety Manager (CSSM)
- Pre-construction planning
- Job safety task analysis
- Jobsite surveys
- Tower/mobile crane training
- OSHA 1926 10-30-hour training
- Supervisor and task-specific training



Environmental Management

From assessing environmental compliance to creating strategic and tactical solutions for specific exposures, our team of environmental experts can assist you with navigating the regulatory landscape and reducing or preventing environmental liability exposures, as well as mitigating losses and their financial and reputation impact.

Services include:

Compliance Assessments

- Compliance audits
- Gap assessments
- Strategic compliance planning

Wastewater Management

- Federal, state, and local recordkeeping and reporting
- Wastewater permitting
- Storm Water Pollution Prevention (SWPP)
- Water use reduction

Waste Management

- Federal, state, and local recordkeeping and reporting
- Permitting
- Source reduction
- Program development/revisions
- Biennial hazardous waste reporting





Air Quality Management

- Federal, state, and local recordkeeping and reporting
- Air emissions inventories
- Air quality permits
- Program development

Hazardous Materials Management

- Federal, state, and local hazardous materials usage and storage reporting
- Hazardous materials inventory
- Spill Prevention, Control, and Countermeasure (SPCC)
- Risk Management Plan development
- Underground storage tank management

Emergency Preparedness and Response

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

Environmental Impact Analysis and Reduction

- Energy and carbon footprint
- Greenhouse gas emissions
- Water

Sustainability

- Auditing, verification, and corrective actions
- Supplier responsibility
- Strategy and standards development including industry standards and/or voluntary compliance, e.g. Responsible Business Alliance (RBA)

Ergonomics

Through a combination of our experience and technology, Chubb Global Risk Advisors strives to instill ergonomic principles into the culture of an organization so that changes can be lasting and the benefits long-term. Our highly qualified staff is trained to focus on both risk and productivity. We tailor client solutions based on physical requirements and goals.

Services include:

- Program development and review
- Design standard review and implementation
- ADA compliance assessments
- Office/Industrial ergonomic risk analysis (on-site and virtual)
- Physical demand analysis
- Functional Job Analysis (FJA)
- Ergonomic software platforms
- Return-to-work programs
- Ergonomic claim review and validation

Fleet/Transportation

Chubb Global Risk Advisors Fleet and Transportation safety experts can help you create a dynamic fleet safety management and training program and process. Using sophisticated analysis of your information – from driver evaluations and telematics to claim and inspection data – we enhance your program to incorporate the best methods/practices for avoiding auto accidents and injury.

Services include:

- Telematics review
- Department of Transportation (DOT) compliance
- Defensive driving
- Driver screening and selection
- Accident/incident investigations



Industrial Hygiene

Chubb Global Risk Advisors drive strategic initiatives and partner with clients in the development of tactical solutions to integrate effective risk management processes into your operations. Led by our team of Certified Industrial Hygienists (CIHs), our highly educated, credentialed, and experienced team helps protect your employees' health and assists your organization in meeting applicable government regulations and industry standards.

Our Industrial Hygiene (IH) services range from general identification and evaluations to in-depth assessments of a facility, department, or operation.

Services include:

- Qualitative and quantitative IH assessments – chemical and physical agent exposure monitoring
- IH program review and auditing
- Noise reduction engineering
- Noise dosimetry and surveys
- Ionizing and non-ionizing radiation safety
- Containment verification studies
- Laboratory safety
- Global Harmonization System (GHS) compliance
- Safety Data Sheet (SDS) development



Chubb Environmental Health Laboratory

Chubb Global Risk Advisors owns and operates an Environmental Health Laboratory (EHL) accredited by the American Industrial Hygiene Association – Laboratory Accreditation Program (AIHA-LAP LLC) to ISO/IEC 17025:2017.

Our lab provides sampling media and analyzes samples collected 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, electron capture, and mass detectors
- Total, respirable, and inhalable dust analyses using micro balances in our environmentally controlled room
- Welding fume and metals analyses using Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)
- Organics analyses of Polycyclic Aromatic Hydrocarbons (PAHs), aldehydes, and pesticides using liquid chromatography with an Ultra Violet (UV) and fluorescence detectors
- 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
- Minican/whole air canister collection of samples and subsequent sub part per billion (ppb) analysis using gas chromatography/mass spectroscopy analyses (EPA TO14/TO15)
- Surrogate analysis for containment verification
- Spore trap and fungal tape analysis to determine airborne and surface contamination of fungi/mold

Occupational Safety

Chubb Global Risk Advisors offers a broad range of safety consulting services that address hazards and exposures affecting employees and the general public. Our consultants partner to develop and implement solutions that begin with assessing your current programs and policies. By integrating effective safety and risk management processes into your operations, Chubb Global Risk Advisors drive the reduction of risk and build a strong safety culture to support your EHS program objectives.

Services include:

- Regulatory registers and regulatory applicability (technology enabled)
- Machine safety: equipment-specific, energy control procedures, machine guarding
- Electrical safety: single-line analysis, arc flash/blast assessment, NFPA 70E compliance
- Emergency response – HAZWOPER and incident command training
- Fall prevention – working at heights
- Slip, trip, and fall prevention and training
- Life safety/ADA assessments
- Public and property liability assessments
- Confined space entry evaluations, program development and training

Property Risk Engineering

Chubb Global Risk Advisors partners with clients to manage property risks by creating long-term solutions to assure success as a business and property owner. Our property risk engineering services go beyond basic property protection. Our risk engineers utilize advanced technology to identify potential causes of loss and their impact on your bottom line.

Services Include:

- Water supply analysis and testing
- Hydraulic analysis of fire protection systems



- Warehousing and storage fire protection consultations
- Ignitable liquids storage and processing consultations
- Fire department pre-planning review and assistance
- Fire protection systems testing and witnessing
- Fire protection impairment programs and training
- Rooftop photovoltaic (solar panel) installation reviews
- Flood emergency response planning
- Surveys utilizing drone technology
- Automatic fire sprinkler plan reviews
- Catastrophic modeling surveys

Equipment Inspection Services

Chubb Global Risk Advisors provides equipment breakdown services for a variety of businesses, ranging from real estate to complex manufacturing. Our efforts focus on three key areas.

Jurisdictional Boiler and Pressure Vessel Inspections

We verify that boilers or vessels are maintained in a safe and reliable manner in accordance with regulatory standards adopted by the jurisdiction.

- Accredited Authorized Inspection Agency (AIA) with the National Board of Boiler and Pressure Vessel Inspectors
- Licensed to inspect boilers and pressure vessels throughout North America, subject to the codes and standards adopted by each jurisdiction

Risk Analysis and Mitigation

Our equipment breakdown staff conducts detailed risk analysis associated with a wide range of industries and market segments. Our experts are trained to identify potential exposures and risk factors associated with machinery and electrical equipment as well as providing solutions on how to mitigate the cost of repairs and downtime to the facility.

Infrared Thermography

Electrical systems present some of the most critical property damage and business interruption exposures for any facility. Electrical deficiencies caused by loose connections, load imbalances, and/or overloaded circuits can lead to arcing and fires. These deficiencies – commonly referred to as hot spots – are rarely visible to the naked eye. Each year we perform hundreds of infrared inspections to identify potential loss-producing conditions before they manifest into costly property damage

Sustainability

We provide strategic guidance that helps you align sustainability strategies with business and customer requirements as well as your financial and cost-saving goals. Then we partner with you to design, develop, implement, and maintain processes, programs, and standards for helping corporations operate in a socially responsible and sustainable manner.

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 systems
- Auditing, verification, and corrective actions

Training

Chubb Global Risk Advisors’ subject matter experts provide a full range of EHS training services to our client base. Our training services can be customized and developed to meet your internal and site-specific objectives, and to match your infrastructure, budget, and culture.

Chubb Global Risk Advisors has the ability to provide a number of training delivery options that best match your needs and participant schedules.

Delivery options:

- Classroom (on-site) training
- Train-the-trainer
- Remote by webinar – web and cloud-based applications
- Micro-mobile training
- Computer-Based Training (CBT)

The Chubb-Hosted Online Learning Center contains an established catalog of safety training modules which can be customized to meet your specific requirements.

Additionally, we develop custom content and support materials to address client-specific training needs. Our Learning Management System (LMS) enables clients to manage the initiation, training, and recordkeeping of on-going employee training.

Chubb Global Risk Advisors can present training in your preferred format, inclusive of the service lines detailed above.

EHS Staff Augmentation

Chubb Global Risk Advisor’s outsource model provides a wide range of support for companies, providing full-time and part-time employees to supplement your company’s existing staff.

We partner with clients to provide strategic resourcing and compliance-based support to help you implement EHS initiatives on-time and on budget.

From a single project to a long-term engagement, our resourcing is designed to provide the appropriate level of expertise and support necessary to achieve the client objective

Our Commitment to You

Chubb Global Risk Advisors is dedicated to providing exceptional service to our clients. To that end, we establish clear channels of communication and are committed to providing practical and efficient solutions.

Connect with Us

To learn more about our services please contact us.
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