

Company Overview

Health Systems Sciences LLC provides expertise, experience and insight to enhance the environment, health and safety conditions to the client’s workplace and optimize the performance of the facilities. Utilizing a seasoned team with diverse expertise provides systematic methods to evaluate, recognize, and implement science and evidence-based approaches to strengthen occupational health and environmental systems.

Health Systems Sciences LLC technical expertise can enhance the environmental quality and health support services of any organization, ranging from facilities to corporations to governments. A comprehensive overview of core competencies is included on the following page and a sampling of areas of specialties is provided below.

Specialty Areas:

Industrial Hygiene Evaluations

- Worker Hazard Assessments
- OHS Program and Compliance Reviews
- OHS Management System Support - ISO 45001
- Worker Hazard Assessments

Facility and HVAC Commissioning

- Mold and Indoor Environmental Quality (IEQ) Investigations
- HVAC System Commissioning
- Energy Conservation Audits
- Owner’s Representative for Restoration/Abatement
- Asbestos and Lead-Based Paint – Sampling, Management Plans, Project Design Surveys Ionizing and Nonionizing Survey and Training

Environmental Program Management

- Spill Prevention, Control and Countermeasure (SPCC) Plan Development and Updates
- Environmental Program and Compliance Review
- Environmental Management Systems – ISO 14001
- Hazardous Waste Stream Characterization
- Pollution Prevention Assessments

Biosafety and Biosecurity Expertise

- Infection Control and Outbreak Investigations
- Legionella Investigations and Management Plans
- Fume and Biological Safety Hood Certification
- USP 797 and 800 Sampling and Protocol Design
- Biosafety and Biosecurity Program Assessments

PERSONAL EXPERIENCE	DIFFERENTIATORS
Managed facility and corporate environmental and safety programs both domestically and internationally.	Over 25 years of experience with Federal Agencies which provides insight to program and facilities’ best practices.
Conducted comprehensive environmental and occupational health compliance audits at numerous DoD and HHS facilities.	Subject matter expert in environmental management, industrial hygiene, engineering, and laboratory biosafety.
Spearheaded over \$30M global engineering and environmental remediation projects with diverse site conditions.	Experienced in laboratory accreditation and quality management to comply with various international standards.
Developed Agency environment quality management systems recognized by White House as top Federal program.	Engineering expertise that focuses upon specialized health facilities such as laboratories containment and hospitals.
Organized and led national and local emergency response teams consisting of diverse variety of technical experts.	Provided country and institutional programs by establishing domestic and international policy and guidance.
Clients include US Navy, Veterans Affairs, US Army Corps of Engineers, GSA, and several private industries.	Experienced in 18 countries and conducted technical assessments at over 200 laboratories and health facilities.

Core Competencies

The staff of Health Systems Sciences, LLC possesses the skills, expertise, and experience to provide optimal results to ensure the success of each project. In addition to highly qualified staff, established internal practices ensure optimal solutions are delivered to meet the needs of the client. The combination of technical expertise, methodological approach, and scientific methods will ensure a quality product to surpass the needs of the client.

Health Systems Sciences, LLC core competencies includes the following:

Planning, Evaluation and Monitoring

- Assessment, monitoring and evaluation of international health improvement programs.
- Compliance assessments for occupational health, industrial hygiene, and safety management programs.
- Quality management system audits and development to include ISO 14001, 9001, and OHSAS 18001.
- Laboratory accreditation programmatic evaluations, corrective action plans, and strengthening support.
- Technical and programmatic evaluations for hazardous waste, hazardous materials, and site remediation.
- Logistics support to include supply chain management, warehousing, and inventory control.
- Geospatial analysis activities to include data collection and integration, modeling, and planning.
- Environmental sampling, auditing, planning, permitting, and reporting to include air emissions, hazardous materials, hazardous waste, toxic substances, wastewater, water quality, and environmental management systems.
- Job hazard analysis and exposure assessments and monitoring for chemical, physical and biological agents; and
- Comprehensive exposure assessment and medical surveillance data management systems.

Systems Enhancement and Implementation

- Program and project management for implementation of health improvement and engineering activities.
- Process improvement for healthcare support systems such as facility sanitation, equipment, and logistics.
- Laboratory strengthening and accreditation support to domestic and international standards.
- Implementation of advanced medical waste treatment and management systems.
- Specialized training ranging from technical topics to business operations for topics such as biosafety and biosecurity, medical waste, environmental, risk assessments, occupational health, safety, and wellness.
- Human resource capacity building with staff augmentation support with subject matter experts.
- Information Technology support to include electronic medical records and laboratory information systems.
- Healthcare and laboratory facility and equipment commissioning, maintenance, and repair; and
- Occupational health programs implementation to include medical screening, respiratory protection, ergonomics, indoor air quality, accident reporting, fire safety, radiation safety, and chemical hygiene.

Infrastructure Design and Operations

- Assessment, review, and implementation of building systems to incorporate sustainable features.
- Planning, design, and commissioning of healthcare related facilities with emphasis on laboratory design.
- Facility ventilation controls and laboratory biocontainment to meet BMBL BSL-3 or BSL-4 requirements.
- Evaluation and implementation of Water, Sanitation, and Health (WASH) improvement systems.
- Facility energy conversation audits to include CHP Phase 1 and 2 assessments: and
- Procurement, installation, and commissioning of biomedical, diagnostic and information mgt systems.

About Dave Ausdemore:

As the Founder and President of Health Systems Sciences LLC, Dave Ausdemore brings over 25 years of experience with designing, implementing, and managing specialized EHS programs. In addition to traditional EHS programs, Mr. Ausdemore has a reputation to address more challenging issues that have included IAQ investigations, cancer cluster reviews, Western Africa Ebola response operations and United Nation international consultancies. He is an Army and Air Force veteran and a retired Public Health Officer. Mr. Ausdemore is also a registered Professional Engineer (PE), Certified Industrial Hygienist (CIH) and CETA Registered Certified Professional for Sterile Compounding Facilities.