



Integrating EHS Management Systems



Managers recognize the need for improved performance and risk management through effective and efficient, fully integrated business management systems. What they often do not have is an approach or plan on how to reach this goal. Today's managers are challenged by increasing pressure from stakeholders to deliver high quality products and services at low cost while reducing the potential impacts of their activities on both the environment and health and safety risks. Different expectations from different stakeholders add further complexity to the task of improving business performance. As these constraints become increasingly tangible, managers are faced with the challenge of establishing a business strategy that will allow their organizations to operate more effectively and efficiently while ensuring that risks are identified and controlled.

ICF Consulting helps clients improve Environmental, Health, and Safety (EHS) management system efficiency by understanding the risks, defining the performance improvements required, and building management system solutions that work to achieve them.

ICF Consulting's Approach

Performance Improvement through Increased Effectiveness and Efficiency

ICF Consulting assists organizations in achieving EHS performance improvement by applying its expertise in implementing management systems to all aspects of a business. Our approach is focused on leveraging common management system attributes through better alignment and integration of the various business systems and management tools.

Relying on our broad expertise and a wide array of competencies in EHS Management Systems, ICF Consulting is a leader in developing and implementing organizational, goal-driven, integrated management systems solutions. We have found that improved management performance rests on an organization's ability to support the transfer of ownership and accountability for operations to line personnel. The solution may vary from the implementation of a few specific customized system elements, to implementing all of the elements that constitute an ISO 14001 or OHSAS 18001 compliant environmental or

occupational health and safety management system. Our approach focuses on developing client-specific practical solutions through employee participation. Obtaining employee "buy-in" into the management system increases an organization's performance improvements.

Management System Approach

Sound EHS systems provide the basis for understanding and managing issues, risks, and responsibilities in the context of overall business strategies and goals. ICF Consulting develops EHS systems to work within the greater universe of organizational and business management systems to achieve long-term efficiency and effectiveness.

Business/Operations Management Systems



This series of factsheets highlights our expertise in Environment, Health, and Safety Management and covers the following topics:

- FaultrEASE™ Software
- EHS Assurance—Auditing
- Safety and Risk Management
- EHS Learning Institute
- High-Performance EHS Business Model
- **Integrating EHS Management Systems**
- Meeting Environmental Management Systems Challenges
- Environmental Due Diligence
- Safety Performance Improvement
- Facility and Operational Reliability Safety Reviews
- Ergonomics

Being More Effective At Measuring and Monitoring

ICF Consulting's team includes experts in the field of performance management who can support clients in establishing optimal performance metrics based on the values organizations are trying to achieve.

ICF Consulting also can evaluate the capacity of the organization's monitoring program (including audits) for measuring progress toward achieving performance metrics and can assist organizations with the realignment of programs to better reflect the values that the organization aims to convey.

EHS Management Information Systems

Our team of in-house experts uses information technology (IT) to assist in developing EHS Management Systems and to help solve problems. Our philosophy is that IT solutions support any management system, but should only serve as tools in a larger toolkit of elements that support an integrated approach. ICF Consulting can help develop a solution that fits your needs by leveraging the tools and systems already in place and by identifying new ones that will help support integrated systems more effectively and efficiently.

Featured Projects

Ontario Power Generation (OPG) Integrated Management System

ICF Consulting is assisting OPG's Electricity Production Division in implementing an Occupational Health and Safety Assessment Series 18001 (OHSAS 18001) Health and Safety Management System (HSMS) at two of its hydroelectric plant groups in Niagara and Northwest Ontario. After successfully having implemented ISO 14001 and 9002, the challenge for OPG resides in establishing a third system for occupational health and safety issues that satisfies the intent of OHSAS 18001 without increasing the workload on the users of the system. ICF Consulting is providing the expertise to fully align the new components with existing management tools and design and implement a HSMS as part of an integrated system with the existing environmental and quality management systems.

EHS Information System at Mobil

ICF Consulting developed an integrated EHS management system for Mobil Chemical Company's Films Division. The system allows evaluation of a plant's EHS performance against corporate goals and the division's worldwide standards. Additionally, the system aids in developing performance plans and creating and storing documents and records.

PolyOne Corporation EHS Visioning

ICF Consulting conducted a roundtable to garner support for a unified vision of PolyOne's EHS values and objectives. Both executive-level and site-level representatives from EHS were invited to participate. Research was conducted and a survey was implemented before the roundtable. The outcome of the two-day round table was a detailed behavioral matrix. Senior management then applied the matrix to the development of effective EHS plans and procedures that matched the culture of PolyOne across its operations.

About Our Staff

At ICF Consulting, we provide innovative EHS solutions based on our staff's expertise. We maintain a cadre of seasoned professionals that allows us to assemble the best team for each project, including experts in:

- Business Strategy and Finance
- Chemical, Civil, and Environmental Engineering
- Environmental and Analytical Chemistry
- Environmental and Safety Management
- Hydrogeology, Geology, and Ecology
- Industrial Hygiene and Environmental Health
- Toxicology and Epidemiology
- Transportation and Process Safety

About ICF Consulting

ICF Consulting is a leading management, technology, and policy consulting firm. Drawing upon extensive industry knowledge, distinguished professionals, and innovative analytics, the firm develops solutions to complex energy, environment, emergency management, community development, and transportation issues. ICF Consulting's approach to these issues is strengthened by its expertise in information technology, organizational improvement, program management, and communications. Since 1969, ICF Consulting has been serving major corporations, government at all levels, and multinational institutions. More than 1,000 employees serve these clients from key business centers in the Americas, Europe, and Asia Pacific.

For more information, contact:

Michael DeWit
Phone: 1.416.341.0391
MDeWit@ICFConsulting.com

Judith Harris
+1.781.676.4042
JudithHarris@ICFConsulting.com

ICF Consulting
277 Wellington St., West
Toronto Ontario
M5V 3E4 Canada

ICF Consulting
33 Hayden Avenue
Lexington, MA 02421
USA