

Philip A. Marcus
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Country of citizenship: United States of America

WORK EXPERIENCE **Marcus & Associates** **10/2001 - Present**
Fairfax, VA US

Principal

I am currently a manager of audit teams which are involved in the assessment of the security, health, safety and environmental management systems of major corporations in the chemical and manufacturing industries, as well as the Defense Department. I contract with Registrars who have been accredited to certify organizations to certain standards. I manage audit teams in this regard and am responsible for making final decisions on the conformance or nonconformance of the organization to the national and international standards.

Responsible for the evaluation of numerous US chemical facility's security functions, which involves vulnerability assessment of physical barriers, fencing, intrusion detection systems, key card entry, video screening, and site surveillance systems. Cyber-security functions evaluated included software and hardware separation of Enterprise systems, e.g., SAP from Distributed Control Systems (DCS) to prevent unauthorized external access to chemical manufacturing operations. Review of systems to evaluate and select plant personnel and contract workers. Audit duties also include physical inspections of chemical facilities, evaluation of process safety functions, determination of safe storage and use of chemical and bulk chemical transportation and capability of emergency response systems.

Clients include numerous facilities of DuPont (corporate, business unit and facilities), Honeywell, Monsanto, FMC, PQ Corporation, BASF, HallStar, Schneider Bulk Transportation Carriers, among others.

Accredited lead auditor/conformity assessor for Responsible Care Management Systems (chemical industry standard), ISO 14001 (environmental management systems), OHSAS 18001 (health and safety management systems, with extensive experience in the steel, manufacturing and automotive sectors. Hundreds of assessments against the above mentioned standards have been conducted.

ATS, Inc.
McLean, VA US

2/2001 - 10/2001

Quality Management Task Leader

Directed the IT quality management function for the Physical Assessment Subsystem (PASS) development team of the Department of Housing and Urban Development's Real Estate Assessment Center (REAC). The quality management function within the PASS development team contained the following responsibilities: development of a software quality management system for PASS based on prevention rather than detection, metrics creation and development of an electronic quality management guide.

First Environment
McLean, VA US

1/2000 - 9/2000

Senior Consultant

Trained executives in meeting requirements of new US Government Executive Orders for Greening the Government and sustainability. Responsible for start-up of consulting practice in the DC Metro area, included development of environmental projects. Activities include IT and quality management related sales, proposals, project management (MS-Project) and assurance of client satisfaction. Performed ISO 14000 training in public seminars.

INTERNATIONAL RESOURCES
GROUP
New Delhi, New Delhi India

4/1998 - 1/2000

Managing Director

Project Manager of Clean Technology Initiative, major USAID-funded effort focusing on voluntary application of clean process technology and environmental management systems in India. Based out of Delhi. Managed project staff in both India and U.S. Specific accomplishments included:

- Assisted 8 facilities in the automotive, textiles and paper sectors in achieving ISO 14001 registration;
- Developed clean process pathways for facilities in the cement, textile and paper industries, demonstrating the bottom line effects of utilizing improved process technologies;
- Assisted major steel manufacturer in attaining ISO 14001 certification;
- Developed web-site for transfer of clean process technology information throughout India,
- Used MS-Access database to identify key energy performance factors in the paper and cement industries;
- Developed approaches for supply chain management in the automotive and textile industry;
- Assembled technology transfer tours of the US, Taiwan, Thailand and South Korea for the automotive, textile, steel and paper

sectors; and

- Established relationships with key Indian business and trade associations.

ICF Kaiser

6/1995 - 4/1998

Vice President

Developer of Lotus Notes IT software program for implementing and maintaining ISO management systems implementation for organizations. ANSI-nominated **Technical Expert** to ISO 14000 international negotiations for the 14004 standard, Environmental Management Systems Guidelines. Performed management consulting for variety of significant private and public sector organizations. Assisted USAID in developing environmental management systems and clean technologies into India

**Environmental Resources
Management
Exton, PA US**

2/1986 - 7/1995

Associate & Program Director

Manager/developer of emergency response programs for industries in the steel and chemicals industry. Manager and trainer in the Hazardous Waste Operations Program (HAZWOPER) of OSHA. Application of CAMEO and DEGADAS air dispersion models, review of chemical release dispersion in modeling environments. Trainer in use of CAMEO system. Involvement with LEPCs in relation to subject facilities containing extremely hazardous substances, spill control and response. Experienced project manager for RCRA, EPCRA, Clean Air Act and Clean Water Act projects. Developed state-wide community and worker right-to-know handbooks. Performed Clean Air Act assessment for major diversified corporation. Managed comprehensive eight-day training program under World Bank auspices for Brazilian petroleum company, PetroBras, in preparation for major pipeline construction through the Amazon basin. Managed major organization change effort for the Anheuser-Busch Corporation that included benchmarking against best practices, development of a new Environmental Policy and selecting metrics to measure environmental performance. Implemented comprehensive spill management program for Bethlehem Steel Corporation, developing checklists and conducting audits to prevent spill occurrences.

**Marcus & Associates
Newton, MA US**

7/1984 - 1/1986

Principal

Ran consulting practice for environmental and energy management. Projects included: Assisting US DOE mediate the

location of low-level radwaste disposal sites; developing marketing plans for environmental companies, facilitating Quality Management workshops and seminars for General Electric Corporation.

**University of Illinois
Urbana, IL US**

9/1981 - 6/1984

Executive Director

Managed initial environmental alternative dispute resolution (ADR) center for Illinois. Trained key stakeholders (industry, government and the public interest groups) in practice of resolving conflicts via negotiation and mediation rather than litigation. Conflicts mediated included hazardous waste management, nuclear waste disposal, coal ash disposal and agricultural lands-wetlands preservation.

**U.S. Geological Survey
Reston, VA US**

**10/1974 - 10/1981
Grade Level: GS-14**

Community Planner

Served on Department of Interior program to improve energy and environmental management. Managed three year program for the Department of the Interior on the onshore impacts of offshore energy development. Developed technical papers on the application of the NEPA scoping process. Applied alternative dispute resolution strategies such as mediation and meeting facilitation to Federal issues, including the California Desert Plan and power plant siting in New England. Trained government regulators in conflict resolution techniques. Served on preparatory team and official US Delegation to the UN Conference on New and Renewable Energy, held in Nairobi, Kenya.

EDUCATION

University of Illinois
Urbana, IL
05/1984
MBA

University of Wisconsin
Madison, WI
08/1972
BA

Relevant Coursework, Licensures and Certifications:
Biological Conservation

**JOB RELATED
TRAINING**

Courses (select)

ISO registrar auditor training- annual 2002-2007
Federal and state environmental regulatory review, 2003
ISO 14001 Lead Auditor's Training Course, 2002 Sexual Harassment, 2001
Executive Enterprises, Federal Executive Order on Environment,

2000 Executive Enterprises, Environmental Management Systems and Metrics, 1997 ISO 14000 and the Chemical Industry, 1995 Global Environmental Management Initiative, 1994 Global Environmental Management Initiative, 1993 Global environmental management, US Council for International Business, 1991 Air Pollution Modeling, Trinity Consultants, 1990 Superfund

AFFILIATIONS

American Society for Member Quality

American Society for Member Industrial Security

PROFESSIONAL PUBLICATIONS

Moving Ahead with ISO 14000, 1997, Wiley, Editor

ADDITIONAL INFORMATION

JOB-RELATED CERTIFICATES AND LICENSES:

RAB/QSA Certified Lead Auditor- Responsible Care Management Systems

RAB/QSA Certified Auditor- ISO 14001 Environmental Management Systems

JOB-RELATED HONORS, AWARDS, MEMBERSHIPS:

Outstanding Achievement in Standards Development, through exceptional contributions to both US positions and international consensus in the development of ISO 14004"Environmental Management Systems- General Guidelines on Principles, Systems and Supporting Techniques", 1997

Certificate of Appreciation, US Department of State, for participation in the official US Delegation to the UN Conference on New and Renewable Sources of Energy, Nairobi, 1981