

# Global Care™

An Environmental, Health & Safety Initiative





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*The semiconductor manufacturing industry's commitment to environmental, health and safety management, leadership, and innovation.*

**A**s the semiconductor manufacturing industry enters the new millennium, there has never before been a better opportunity to affirm its commitment to the environment, health and safety (EHS). *Global Care is today's commitment to tomorrow's world.*

SEMI® and its members consider stewardship of the global environment to be an important responsibility. The eyes of employees, customers, regulators, investors, the public, and the press are observing how we perform—not only in the market place and on stock exchanges—but on the ecology of the planet; on the use of water, energy, and chemicals; and on the health and safety of our employees and community neighbors.

*Global Care is an industry-wide initiative designed to establish a framework on which the diverse membership of SEMI can build and strengthen commitments to environment, health and safety (EHS).*

**R**educing pollution, conserving natural resources, slowing global warming, and assuring that employees have a safe and secure workplace is more important than ever. Today, the semiconductor industry is fortunate to possess a vast amount of knowledge, many of the technologies, and the high-level commitment needed to engage in responsible environmental, health and safety management of our offices, plants and the surrounding communities. In addition, the semiconductor industry is responsible for many of the technologies that enable industries around the world to optimize energy use in manufacturing, reduce the use of natural resources, and to more effectively monitor, measure, and mitigate environmental impact.



Caring for the environment is not just a matter of compliance with standards or meeting legal requirements. Up and down the semiconductor industry supply chain, environmental responsibility has become a necessity for doing business in today's global economy.

*"Our mission is quite simple—to demonstrate the industry's commitment to EHS leadership, innovation, and the improvement of the quality of life."*

**Don Mitchell**  
SEMI Chairman of the Board (1999–2000)  
Chairman, President & CEO  
FSI International



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## PURPOSE

**Global Care** establishes a framework for SEMI members, customers, and suppliers to improve EHS management policies, practices and systems.

The framework consists of five high-level principles and a brief description of supporting practices. The principles also serve as a model for companies that want to reach higher levels of environmental excellence.

To encourage involvement from both large and small companies, and to enable company-specific creativity in development of EHS strategies, **Global Care** does not include prescriptive requirements. The principles are voluntary and permit flexible implementation. They are compatible with existing company standards or practices as well as with other industry EHS management programs or efforts.

As the principles of the Global Care initiative take root in our industry, SEMI will provide the support they need to assure that **Global Care** is a model for environmental responsibility.

*"We applaud SEMI's foresight in creating Global Care. The initiative provides my firm with a valuable tool that we can use to build our EHS efforts and communicate our vision to both customers and suppliers."*

Mark Peterson  
CEO

SCP Global Technologies

## PARTNERSHIPS

SEMI embarked on **Global Care** with the support and cooperation of semiconductor companies and associations representing the semiconductor industry worldwide. Product stewardship in the \$180 billion global semiconductor industry requires that companies across the supply chain—from device manufacturers to equipment makers to materials suppliers—cooperate to create environmentally sound practices, processes and products.

The success of the initiative will require support from throughout the semiconductor industry. That is why SEMI is actively sharing its vision with semiconductor device manufacturers, trade associations and companies that do business with our industry around the world. As we enlist support and partner with like-minded organizations, we aim to strengthen our industry's commitment to EHS innovation and build its capacity to work together today for a better tomorrow.

*“Success in business today in our globalized economy depends on strength of character and commitment to values as well as world-class people and technology. Commitment to Global Care and its five principles is an excellent way for our industry to effectively demonstrate its character and values.”*

Tetsuro Higashi  
CEO and President  
Tokyo Electron Limited

## PRINCIPLES

Successful EHS programs are based on the following principles and include components that address the practices described under each principle:

### **GLOBAL CARE PRINCIPLES**

#### **Workplace Health and Safety**

Seek to prevent injury and illness in the workplace; provide safeguards and training for employees and contractors within the workplace.

#### **Resource Conservation**

Seek to design, build and operate manufacturing and office facilities that optimize water, energy, chemical and material use and reduce waste generation and emissions to the air, water and land.

#### **Product Stewardship**

Seek to minimize the environmental impact of products and/or services.

#### **Community Service**

Seek to positively impact and strengthen the quality of life within the communities and neighborhoods in which we live and work. Through outreach, education, participation and compliance with relevant laws and regulations, we seek to govern and manage our operations consistent with the foregoing commitments to workplace health and safety; resource conservation; and product stewardship.

#### **Excellence**

Systematically set company goals and measure performance related to **Global Care** principles and excellence in EHS management practices.



## BENEFITS

**Global Care** provides a framework for strengthening the foundation of company-specific EHS strategies and provides positive reinforcement and support from an industry-wide movement.

### **Adopting the principles can:**

- Provide a foundation on which to base or build new or existing EHS efforts
- Help define goals and set targets for proactive EHS actions
- Enable industry forums to share EHS programs and practices
- Demonstrate environmental commitment to employees and the community
- Support recruitment of environmentally conscientious staff

### **Implementing the principles can:**

- Lead to a more efficient and productive manufacturing process
- Reduce costs of regulatory compliance
- Enable more reliable risk management and claims management programs
- Support development of environmentally sensible products and/or services

### **A successful EHS management program can contribute to a company's ability to:**

- Leverage environmental leadership and innovation to attract new business
- Gain positive public recognition
- Enhance employee satisfaction and loyalty
- Realize long-term savings from favorable insurance rates

Considering the rewards for effective EHS management, participation in the initiative is a winning proposition.

*“SEMI members and their customers have fostered a tremendous advancement of electronics industries through manufacturing technology. Now, as they apply the same dedication to advancing EHS issues, they will see commensurate advantage to their business interests and benefits to society.”*

Stanley Myers  
President & CEO, SEMI

## EXPECTATIONS

Recognizing that various segments of the semiconductor equipment and materials industry have different regulatory requirements, technological challenges, and customer expectations, pursuit of **Global Care** principles and practices is flexible by design.

**Global Care** is a voluntary, self-governing initiative that requires executive management support. While there is not a set of prescriptive management standards or procedures to follow, participating companies are expected to demonstrate their commitment by:

- A signed letter of commitment from the company CEO or president
- Designation of a **Global Care** liaison
- Implementation of **Global Care** principles
- Completion of a brief annual survey describing progress on each principle. NOTE: SEMI will use the survey to validate that participating companies are making a good-faith effort to honor their commitment. The survey will not be used, and is not intended for evaluating the effectiveness or results of a company's EHS programs.

Additionally, participating companies will be asked to support efforts to share their EHS knowledge and guidance.

## RESOURCES AND SUPPORT

**Global Care** is a self-governing effort. Liaisons from participating companies will have major responsibility for working with the SEMI EHS Division to review the effectiveness of the initiative, suggest improvements, and form work groups for the purpose of enhancing and strengthening **Global Care**.

While the initiative focus is industry education and strengthening of EHS commitments, it is also important for participants to communicate EHS aspirations and accomplishments to neighbors and other audiences. Fostering constructive dialogue between participants and the public is also an initiative goal.

In the future, SEMI will develop tools and guidelines to support community dialogue and media relations on EHS issues.

In addition to these planned **Global Care** efforts, SEMI continues to support the industry in a variety of other ways, including:

- Development of EHS guidelines through the SEMI International Standards Program
- Close coordination with global industry associations on EHS issues
- Development and sponsorship of industry EHS forums
- Serving as a clearinghouse for EHS information
- Working with government agencies on industry regulations and compliance issues

## COMMUNICATING GLOBAL CARE

Internal company communication is an important component of participation. Companies should display a copy of the principles at their offices and facilities. The principles and special identity mark can be reprinted in employee publications, on letterhead, or on company Intranet sites. Materials to help participants communicate **Global Care** to employees are available.

**Global Care** provides a platform for communication of industry EHS accomplishments; it is not designed as a publicity effort. External communication of the initiative will be based on real EHS accomplishments and on consistent application of the principles over time. Of course, the existence of **Global Care** is not a secret and we will enthusiastically discuss its purpose when asked.

Questions about the initiative should be referred to SEMI.

## BECOMING A GLOBAL CARE PARTICIPANT

Becoming a participant is easy. Companies must complete a commitment letter which requires a signature from the company CEO or president and designation of a **Global Care** liaison. Once the commitment letter is received by SEMI, participants will receive a starter kit. Within six months each company is expected to return a brief description of their **Global Care** implementation plan and a summary of any ongoing EHS efforts. The starter kit includes:

- Framed **Global Care** certificate
- **Global Care** logos
- Internal company newsletter articles
- Management presentation and talking points
- Submission form for the implementation plan summary

## QUESTIONS AND ANSWERS

### *What is Global Care?*

**Global Care** is an industry-wide initiative designed to establish a framework on which SEMI's diverse membership can build and strengthen commitments to management, leadership, and innovation. To enable companies of all sizes to participate, the initiative focuses on five basic principles rather than on a comprehensive set of detailed, prescriptive procedures.

### *How will the initiative benefit my company?*

The initiative provides a framework for pursuing an EHS strategy appropriate for individual companies while participating in an industry-wide movement. Implementation of **Global Care** principles is flexible by design. Adopting the principles benefits companies by providing a foundation on which to base or build new or existing EHS efforts; by defining goals and targets for proactive EHS actions; and by enabling industry knowledge.

### *What will my company be expected to do?*

Companies that join **Global Care** are expected to demonstrate a high-level corporate commitment and a systematic approach to fulfilling the principles. Over time, companies should be able to point to tangible results on practices described under each principle. Although results will not be audited or monitored, to remain a member in good standing, participants will annually be surveyed on their progress toward fulfilling the principles. Participants will also be asked to share successful programs.

### *What support can I expect?*

SEMI is committed to helping members, their suppliers, and customers attain high levels of environmental health and safety leadership and innovation. Based on the response and feedback from participants, forums for sharing EHS knowledge over the Internet and at professional meetings will be developed. Materials to communicate the **Global Care** principles to employees, customers, suppliers and the community will also be available.

*Will my company's progress or efforts be evaluated or measured?*

**Global Care** is not a certification or qualification program. To remain a participant in good standing, companies will annually describe their progress in a simple survey. Because of the diversity and complexity within the semiconductor industry—as well as the availability of EHS management tools (such as the ISO 14000 standards)—prescriptive standards or a compliance and audit program were not considered necessary.

*What if our company already has EHS principles and programs in place?*

That's great! We know that many companies already have excellent programs in place. **Global Care** is an opportunity for the industry as a whole to define the broad principles under which EHS programs fall, to support companies without formal programs, and to start a process by which our efforts, partnerships, and accomplishments can be recognized.

*How does Global Care relate to programs like Responsible Care® or the ISO 14000 standards?*

**Global Care** complements ISO standards, the American Chemistry Council's Responsible Care program, and other industry programs in which the semiconductor industry participates. Responsible Care or the ISO family of environmental standards provide detailed guidelines for development of environmental management standards. These are excellent tools for implementing **Global Care** principles.

*Why is the semiconductor equipment and materials industry starting this initiative?*

Environmental responsibility in the development of products and services is necessary for the future success of business and for the health and safety of our employees and neighbors. Customers, regulators, environmentalists, employees, and communities demand that companies understand and manage the ecological impact of their operations. **Global Care** affirms our belief that EHS planning early in the process of product design, development and manufacturing adds value for customers, lowers compliance costs, and creates strategic marketplace advantages.

*How will SEMI publicize this program and those who participate?*

While **Global Care** provides a platform for communication of industry EHS accomplishments, we do not plan to broadcast **Global Care** outside the industry until it has been established and companies can report positive results. It is not a secret that **Global Care** exists and we will enthusiastically discuss its purpose when asked.

*Can I publicize my participation?*

Participating companies may communicate involvement to employees, customers, and suppliers in several ways, including: use of the **Global Care** identity mark and theme; display of the principles in public areas; reproduction of the principles in company publications and on Web sites; and in educational or marketing presentations.

Because **Global Care** is a voluntary, honor-based initiative, participants who display the identity mark and communicate support for the principles must be prepared at all times to provide examples of strategic, management and operational results that fulfill the five principles.

For more information please contact:

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