

# ENVIRONMENT SUSTAINABILITY IN BUSINESS

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# ENVIRONMENTAL SUSTAINABILITY

## ISSUES

*The Ozone Layer is depleting.*

*The Climate is changing*

*Next Wars will be fought on water!*

*The Population explosion...*

*The Energy Crisis...*

*Its the battle for Oil!*

*Deforestation..*

*Cities declared 'dangerous' because of air pollution levels.*

# ENVIRONMENTAL SUSTAINABILITY

## THE CURRENT SITUATION!

**“According to an analysis, human demand or ecological footprint in 1961 was about 70 percent of the Earth’s regenerative capacity. By the 1980s demand had risen to match total global supply, and by 1999 demand exceeded supply by at least twenty percent. It takes the biosphere, therefore, at least a year and three months to renew what humanity uses in a single year.”**

# ENVIRONMENTAL SUSTAINABILITY

## THE NATURAL RESOURCE

- **Water & Fresh Water**
  - **Rivers, Lakes, Ponds**
  - **Rainfall**
  - **Ground Water**
  - **Glaciers**
  - **Snowfall**

# ENVIRONMENTAL SUSTAINABILITY

## THE NATURAL RESOURCE

- **Land**
  - **Agriculture**
  - **Urbanization**
  - **Deserts**
  - **Deforestation**

# **ENVIRONMENTAL SUSTAINABILITY**

## **THE NATURAL RESOURCE**

- **Oil & Gas**
  - **Increasing Demand**
  - **More exploration**
  - **Depleting Reservoirs**

# ENVIRONMENTAL SUSTAINABILITY

## THE NATURAL RESOURCE

- **Marine Life & Fisheries**
  - **Increasing Demand**
  - **Over Fishing**
  - **More efforts and less catch now...!**

# ENVIRONMENTAL SUSTAINABILITY

## THE NATURAL RESOURCE

- **Forests**
  - **Timber Mafia**
  - **Changes in Land Usage Patterns**
  - **Trees for fuel**
  - **Wood Demand**



# ENVIRONMENTAL SUSTAINABILITY

## THE NATURAL RESOURCE

- **Air Quality**
  - **Industrialization**
  - **Transportation**
  - **Solid Waste pollution**
  - **Open burning**

# **ENVIRONMENTAL SUSTAINABILITY**

## **OUR RESPONSIBILITY**

- **As Individuals**
- **As Conscious Citizens**
- **As an Industrial Unit**

**Conservation in use of energy & water.**

**Appropriate Plantation**

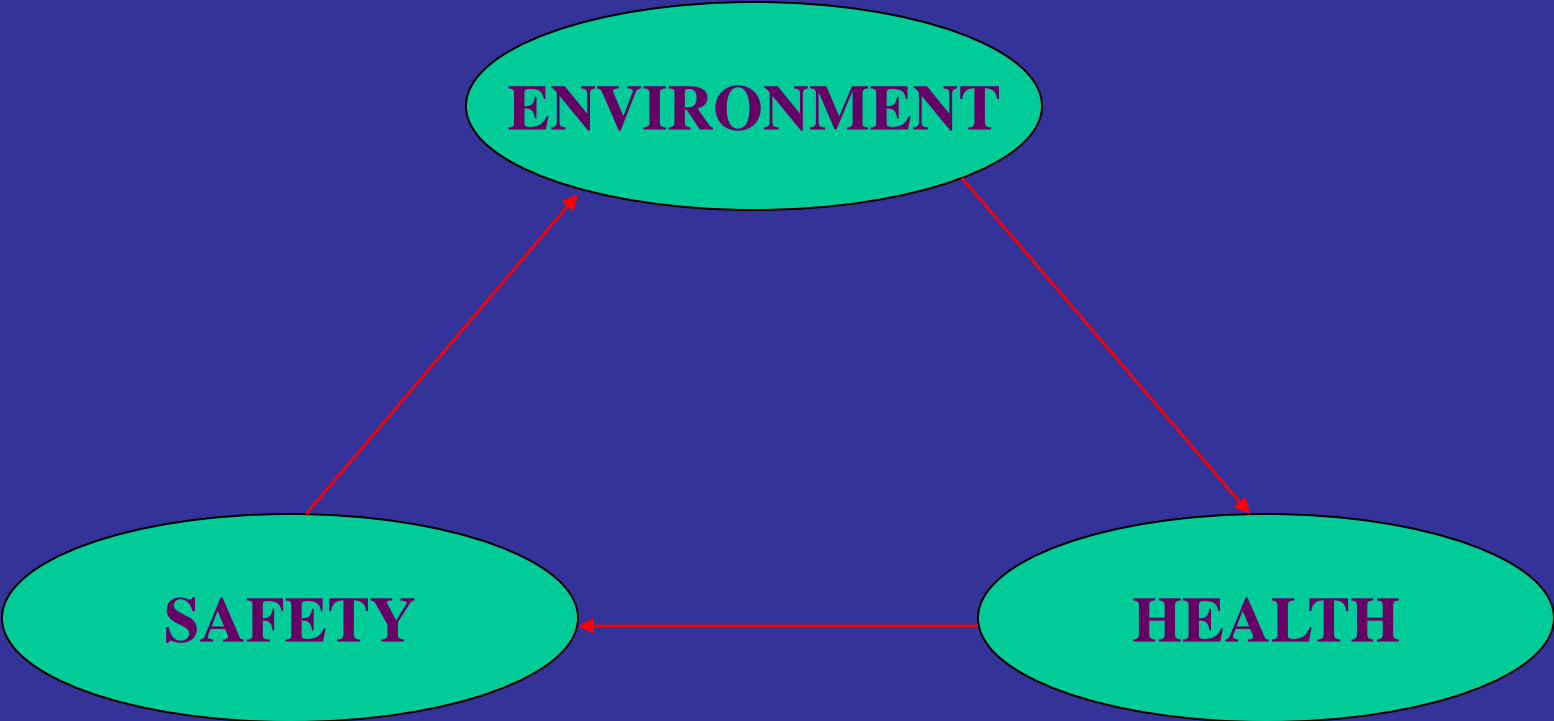
**Proper Waste Handling and Disposal**

**Be Population Sensitive**

**Educate your children and make others aware**

# ENVIRONMENTAL SUSTAINABILITY

## COMPANY ROLE



# **ENVIRONMENTAL SUSTAINABILITY**

## **THE CRITICAL ELEMENTS**

- **Top Management Commitment**
- **Formal Structuring of the Program**
- **Dedicated Staff for EHS**
- **Direct Reporting to the CEO**
- **Policy Declaration**
- **Commitment for Business Integration of EHS**
- **Development of Environmental Management System**
- **Regular Internal Evaluation and Monitoring**

# **ENVIRONMENTAL SUSTAINABILITY**

## **THE ENVIRONMENTAL CHALLENGES**

- **Thorough Evaluation of Processes and Systems for any Harmful Effects to the Environment.**
- **Regular Monitoring of Stack Emissions and Installation of Control Technologies.**
- **Regular Monitoring of Wastewater and Analysis against NEQS Applicable Parameters.**
- **Organization wide Program for Conservation of Water and Energy.**
- **Waste Handling and Disposal Program.**
- **Re-Cycling and Reuse Adoption**
- **Conscious Efforts for Waste Reduction by All Employees**

# **ENVIRONMENTAL SUSTAINABILITY**

## **THE HEALTH RELATED CHALLENGES**

- **Thorough Evaluation of Processes and Systems for any Harmful Effects to the Employees.**
- **Providing Most Appropriate Personal Protective Equipment (PPEs) to the Concerned Employees.**
- **Regular Monitoring of Health Related Parameters for Concerned Employees.**
- **Ensuring that Material Safety Data Sheets are available for all Chemicals/Compounds/Substances Used at the Company.**
- **Clean and Hygienic Work Place**
- **Regular Monitoring of Drinking Water Quality**
- **Availability of Doctor, Ambulance and First Aid Facilities.**

# **ENVIRONMENTAL SUSTAINABILITY**

## **THE SAFETY RELATED CHALLENGES**

- **Well Trained And Equipped Fire Prevention & First Aid Teams.**
- **Regular Evacuation Drills**
- **Regular Fire Drills and First Aid Refreshers**
- **Proper Storage and Handling Procedures for Gas Cylinders, Oil Storage, Flammables etc.**
- **Proper Controls for Spillage and Procedures for its Management.**
- **Confined Spaces Entry and Maintenance Program**
- **Incident/Accident Investigation and Reporting System**
- **Machine Guarding & Lockout/Tagout System**

# **ENVIRONMENTAL SUSTAINABILITY**

## **THE CORE ELEMENTS FOR ALL CHALLENGES**

- REGULAR TRAINING AND AWARENESS BUILDING PROGRAMS FOR ALL EMPLOYEES**
- AN EFFECTIVE INTERNAL AUDIT PROGRAM**
- SUSTAINED TOP MANAGEMENT COMMITMENT**
  - BENCHMARKING AND CONTINUOUS IMPROVEMENT**
  - RAISING THE BAR**
- TURNING YOUR ORGANIZATION INTO A GREEN INDUSTRY**



# **ENVIRONMENTAL SUSTAINABILITY**

## **THE CORPORATE SOCIAL RESPONSIBILITY**

- **CONTRIBUTING TO THE SOCIAL CAUSES**
- **ROLLING OUT PROGRAMS FOR COMMUNITY DEVELOPMENT**
- **OFFERING AN INTERNSHIP PROGRAM FOR ASPIRING YOUNG GRADUATES**
- **DOING NEED ASSESSMENT OF THE ADJOINING COMMUNITIES**
- **OFFERING EDUCATION, WATER, HEALTHCARE RELATED PROGRAMS TO THE COMMUNITIES**
  - **JOINING HANDS WITH EDUCATIONAL INSTITUTIONS FOR PROJECTS**

**Human kind has not woven the web of life.  
We are but one thread within it. Whatever  
we do to the web, we do to ourselves. All  
things are bound together. All things  
connect.**

**THANK YOU**