



STRATEGIC WORKSHOP

THEME

ENVIRONMENTAL SUSTAINABILITY IN THE MANUFACTURING INDUSTRY

TUESDAY, MAY 21, 2024 8:30AM

MAN HOUSE, 77 OBAFEMI AWOLOWO WAY, IKEJA LAGOS STATE

CONVENERS



Segun Ajayi-Kadir, mni
Director General, Manufacturers Association of Nigeria (MAN)



Dr. Babatunde Ajayi
General Manager, Lagos State Environmental Protection Agency (LASEPA)



Robert Ade-Olatubi FCA, FINS
Executive Chairman, Independent Project Monitoring Company (IPMC) Limited



Professor Timothy 'Gbanga Nubi
Director, Centre for Housing and Sustainability Development (CHSD)/ Former Dean, Faculty of Environmental Science, University of Lagos



Chika Ugochi Onyikwere
Senior Environmental Consultant IPMC Limited



Babatunde Ayodeji Gbanga
Deputy Director (Scientific) Lagos State Environmental Protection Agency (LASEPA)

SPEAKERS



Daniel Adedokun
Head of Geecycle for Lafarge Africa PIC



Adebayo Adedayo Oluwalola
Director of Environmental Sustainability Lagos State Environmental Protection Agency



Agharese (Arees) Lucia Onagha
Executive Director of the Food & Beverage Recycling Alliance (FBRA)



Dara Cawlerak-Odebo, CSM
Private Sector Engagement Lead (UNDP)



VICTORIA ONUOHA
Head, Environment & Green Manufacturing Unit, Manufacturers Association of Nigeria



Agatha Afemilebe
ESG Consultant, IPMC Limited

EVENT MODERATOR

PANEL MODERATOR



Introduction

In recent years, the manufacturing industry has undergone a significant shift, moving beyond pure profit maximization to embrace a dual mission of profitability and sustainability. Organizations now recognize that their actions impact not only their bottom line but also the health of society and the planet. This shift has become a risk factor for businesses and economic growth. Nigeria, like many other countries, increasingly acknowledges the importance of sustainable practices in manufacturing.

As Nigeria continues its industrial development, integrating resource-efficient technologies, reducing waste, and taking climate-friendly and environmentally responsible approaches are crucial for a healthier future. However, industries face challenges in balancing economic growth with sustainability.

To support in addressing this, the Independent Project Monitoring Company Limited (IPMC), in partnership with the Manufacturers Association of Nigeria (MAN) and the Lagos State Environmental Protection Agency (LASEPA), is hosting a strategic workshop. The workshop aims to bring together key stakeholders to discuss pressing environmental challenges, regulatory compliance, and explore sustainable solutions.

AGENDA

TIME	ACTIVITY	ANCHOR
8:00 – 9:00 am	Arrival/Registration of Delegates	
9:00 – 9:15 am	National Anthem – 2 nd Stanza	Moderator
	Opening Remark/Workshop brief	IPMC CEO
9:15 – 9:30 am	Welcome Address	MAN DG
	Goodwill/Stakeholder Messages	Stakeholders
	Keynote Address	ILO
		IPMC
9:30 – 10:10 am	Presentation: Embedding and assessing principles of accountability and creating mechanisms of checks for environmental sustainability in the industry.	Panelists
10:10 – 10:40 am		All
10:40 – 11:00 am	<ul style="list-style-type: none"> Panel Discussion 	
11:00 – 11:10 am	<ul style="list-style-type: none"> Questions & Answers 	
	Group Photograph	
11:10 – 11:30 am	Tea break	
11:30 – 12:00 pm	Presentation: Regulatory Frameworks within the industry, and Compliance Measures for Environmental Sustainability	LASEPA
		Panelists
12:00 – 12:30 pm	<ul style="list-style-type: none"> Panel Discussion 	
12:30 – 12:40 pm	<ul style="list-style-type: none"> Questions & Answers 	
12:40 – 12:45 pm	Group Photograph	
12:45 – 1:15 pm	Presentation: Environmental Sustainability and its business-related risks in the manufacturing industry.	IPMC
1:15 – 1:40 pm	<ul style="list-style-type: none"> Question & Answers 	
1:40 – 1:50 pm	Partner Videos: MAN, IPMC, LASEPA	
1:50 – 2:10 pm	Key Event Highlights	IPMC
2:10 – 2:20 pm	Closing Remark/Vote of Thanks	MAN
2:20 – 3:00 pm	Photograph	All
	Lunch/Networking	



Programme Speakers

1. Keynote Speaker
 - Steven Agugua, Country Director, ILO
2. Goodwill Message
 - United Nations Industrial Development Organization
 - United Nations Development Programme
 - Federal Ministry of Labour and Employment
 - LASEPA
3. Opening Remark/Workshop brief
 - Robert Ade-Odiachi, Executive Chairman, IPMC
4. Welcome Address
 - Segun Ajayi-Kadir, Director General, MAN
5. Presentation 1
 - Chika Onyekwere, IPMC Environmental Sustainability Consultant
6. Panel 1
 - Agharese (Arese) Lucia Onaghise, Executive Director of the Food & Beverages Recycling Alliance (FBRA)
 - Adebayo Adedayo Olubukola, Director of Environmental Sustainability, LASEPA
 - Federal Ministry of Labour and Employment
 - Debo Adeniyi, Environmental Sustainability Consultant
7. Presentation 2
 - Dr. Babatunde Ajayi, General Manager, LASEPA
8. Panel 2
 - United Nations Development Programme
 - Professor Timothy 'Gbenga Nubi, Director, Housing and Sustainability Development/Former Dean, Faculty of Environmental Science, University of Lagos
 - Babatunde Ayodeji Gbenga, Deputy Director (Scientific), LASEPA
 - Daniel Adedokun, Head of Geocycle for Lafarge Africa Plc
9. Presentation 3
 - Debo Adeniyi, Environmental Sustainability Consultant
10. Panel Moderator
 - Agatha Afemikhe, IPMC ESG Consultant

The Manufacturers Association of Nigeria (MAN)

The Manufacturers Association of Nigeria (MAN) is a national industrial association serving and representing nearly 2000 companies in private and public sectors in manufacturing, construction and service sectors of the national economy. MAN is the acknowledged representative of the manufacturing sector in Nigeria. Through its representative membership, the Association serves and acts as a central point of reference for government and others who seek the view and reactions of manufacturers on matters of socio-economic importance. The Association, among other things, advises, consults and where necessary, joins issues with government and other bodies on matters that affect its members. MAN is the acknowledged representative of the manufacturing sector in Nigeria.

Lagos State Environmental Protection Agency (LASEPA)

LASEPA, the Lagos State Environmental Protection Agency, is the government agency responsible for regulating and managing environmental issues in Lagos State, Nigeria. It was established on November 1, 1996, and operates under the Environment Management Protection Law 2017 Part VI. The agency's mission is to safeguard environmental quality consistent with the social and economic needs of the state, thereby protecting health, welfare, property, and quality of life. LASEPA's functions impact various sectors including industries, commercial services, public and private sectors, and the environment at large. It provides services, guidance, and regulations on air quality, noise pollution, plastic waste management, and more. LASEPA has been actively implementing initiatives in the manufacturing sector to ensure environmental sustainability and safety. These initiatives reflect LASEPA's commitment to maintaining a balance between industrial development and environmental protection. With the General Manager, Dr. Babatunde Ajayi, the executive team and department heads are dedicated to enforcing environmental protection laws and policies, and they work closely with various private sector and key developmental partners to drive environmental change.

Environmental Sustainability Compliance Standards Within The Manufacturing Industry

Brief Overview

Compliance is referred to as the act of conforming to laws, regulations, guidelines, and standards relevant to a particular industry or sector. It entails adhering to prescribed rules and fulfilling obligations such as industry regulations, environmental standards, etc, to ensure legal and ethical conduct in business operations.

Regulatory Compliance as a Business Risk

The Cost

Regulatory compliance to laws or standards set by regulatory bodies in the manufacturing industry is very critical and poses as a risk because it ensures organizations meet standards related to:

- safety
- quality
- consumer protection
- profit
- environmental stewardship, and more.

Compliance also presents business risks as it can be expensive, complex and time-consuming. Maintaining compliance consumes significant resources within an organization and when these organizations violate the regulations or fail to comply, they face hefty penalties such as:

- fines,
- legal actions,
- and reputational damage
- Financial loss
- Loss of investor confidence, etc.

Furthermore, changes to these regulations, laws, or standards can disrupt business models in which adapting to new requirements may impact product design, processes and production costs. If businesses are unable to adapt to regulations like environmental regulations, it can result in the impact of the environment.

The Benefits

- Risk Mitigation
- Enhanced Reputation and Trust
- Operational Efficiency
- Stakeholder Confidence
- Competitive Advantage
- Ethical Business Practices

Compliance Standards and Regulatory Frameworks for the Manufacturing Industry

There are several regulatory frameworks at the international, national and sub-national with laws, regulations, guidelines or provisions mapped out to ensure sustainability in the manufacturing. Some of them, with focus on environmental regulations include:

International

UN Global Compact

The UN Global Compact encourages companies and stakeholders worldwide to align their strategies and operations with universal principles related to human rights, labor, environment, and anti-corruption. By incorporating these principles into their practices, companies not only fulfill their basic responsibilities to people and the planet but also set the stage for long-term success. Here are some key aspects and its relevance to the manufacturing industry:

- Ten Principles of the UN Global Compact
- Communication on Progress (CoP)
- Labor Standards
 - Environmental Protection
 - Supply Chain Responsibility
 - Health and Safety Guidance

International Labor Organization (ILO)

ILO Convention No. 155 focuses on Occupational Safety and Health while ILO Convention No. 187 establishes its Promotional Framework. Here are their key provisions:

- Compulsory National Policy and Program
- Employer/Worker Consultation and Participation
- Workplace Risk Assessment and Control
- Training and Information
- Emergency Preparedness
- Health Surveillance
- Reporting and Record Keeping



United Nations Industrial Development Organization (UNIDO)

UNIDO works towards sustainable development by enabling inclusive and sustainable industrialization through:

- coordinated investment
- trade
- financial, infrastructure, energy, and environmental policies
- Capacity Building
- Promoting Industrial Competitiveness
- Monitoring and Support

They support business communities that aim to enhance economic, environmental, and social performance. This facilitates industrial synergies, and promotes productivity and socially responsible practices, as well as resource efficiency, and a circular economy.

UNIDO plays a significant role in Nigeria's manufacturing sector. Despite challenges, Nigerian manufacturers have shown resilience. According to UNIDO data, Nigeria's manufacturing grew by 1.5% in 2023. Nigerian manufacturers should maximize UNIDO's efforts of contribution to sustainable industrial development in Nigeria.

The African Continental Free Trade Area (AfCFTA)

AfCFTA aims to promote intra-African trade and economic integration, aiming to improve living conditions and create a single market for 1.3 billion people with an estimated GDP of \$2.6 trillion. To achieve sustainable development, Africa needs to accelerate industrialization and reduce its reliance on manufactured imports. The manufacturing sector will be the main beneficiary of the AfCFTA. Here are some notable efforts towards green manufacturing within the AfCFTA framework. Manufacturers need to get familiarized with them:

- Inclusion of Green Initiatives in AfCFTA National Implementation Strategies
- Green and Blue Economy Value Chains
- Potential for Less Energy-Intensive Economic Growth



United Nations Development Programme (UNDP)

The United Nations Development Programme (UNDP) in Nigeria focuses on inclusive growth and sustainable development. It works closely with the government, development partners, UN agencies, civil society, and local communities to identify and implement local solutions to global and national development challenges. In relation to the manufacturing industry in Nigeria, UNDP's activities include: Supporting Sustainable Industrial Development, Promoting Renewable Energy Capacity Building, and Economic Diversification. Moreover, UNDP's work aligns with Nigeria's Vision 2030 and the Sustainable Development Goals (SDGs), which include targets related to industry, innovation, and infrastructure. These efforts contribute to creating a more resilient and diversified manufacturing sector in Nigeria, enhancing public-private partnerships for a resilient economy.



Local (Nigeria)

National Environmental Standards and Regulations Enforcement Agency (NESREA).

NESREA's duty encompasses ensuring and enforcing environmental compliance while stipulating penalties for non-compliance. Some of their regulations include:

- Environmental Permits and Licenses including permits for waste management, pollution control, water abstraction, etc, specifying conditions for compliance with environmental standards. (Regulations, S. I. No. 29, 2009)
- Prohibition of the Import, manufacture, sale, and use of products containing ozone-depleting substances including Phasing-Out Measures and Packaging and Labeling Requirements (Regulations, S. I. No. 65, 2022)
- Environmental Governance as companies must implement strategies for sustainable environmental practices.
- Proper disposal of waste generated by food, beverages, and tobacco production in compliance with waste management guidelines to minimize environmental impact.
- Measures to prevent air, water, and soil pollution and monitoring emissions and effluents to ensure compliance with set standards.
- Efficient water-use and conservation practices and compliance with water quality standards.
- Guidelines for collecting and analyzing samples including spot sampling, composite sampling, and microbiological analysis.
- Environmental Performance Monitoring and Reporting

Lagos State Environmental Protection Agency (LASEPA)

Some LASEPA environmental compliance obligations include:

- Environmental Impact Assessments (EIAs) by LASEPA-accredited consultants.
- Environmental Audit Reports (EAR)
- Adoption of clean production practices to attain cleaner production by conversion from diesel to gas.
- Effluent Treatment Plants (ETP)
- Waste Management and Sludge Disposal
- Environmental Safety and Warning Posters (ESWP)

- Health, Safety, and Environmental Policy
- Provision and enforcement of the usage of Personal Protective Equipment (PPE) for workers.
- Installation of Best available abatement technology for Air Pollution/Particulate matter, emission, noise pollution amongst others. (e.g Cyclones, dust extractors, etc)
- In-House Waste Management Partnership set up with LASEPA in line with environmental management plans.
- Regular Effluent Analysis and Monitoring
- Quarterly Environmental Monitoring Reports
- Health, Safety, and Environmental Policy
- Provision and enforcement of the usage of Personal Protective Equipment (PPE) for workers.
- Installation of Best available abatement technology for Air Pollution/Particulate matter, emission, noise pollution amongst others. (e.g Cyclones, dust extractors, etc)
- In-House Waste Management Partnership set up with LASEPA in line with environmental management plans.
- Regular Effluent Analysis and Monitoring
- Quarterly Environmental Monitoring Reports

Recommendations

- . Understand and get familiarized with the regulatory landscape
- . Conduct Environmental Impact Assessments as required
- . Comply with regulatory standards as stipulated in their laws and regulations
- . Regularly monitor and report environmental performance
- . Carry out stakeholder engagements, training and capacity building across your value chain
- . Implement proper waste management and pollution control measures
- . Optimize energy efficiency and resource consumption
- . Develop emergency preparedness and response plan
- . Conduct regular audits and compliance checks
- . Engage in green initiatives.

For more enquiries, Please reach:

Chika Onyekwere
Senior Environmental Consultant
IPMC Limited
E: chika.onyekwere@ipmc-ng.com
M: +2349169837238, +2348137907295

IPMC Contact Address:

Head Office:
M: +2347040269249
18B Olu Holloway Road,
Ikoyi, Lagos State
www.ipmc-ng.com

Abuja Office:
M: +2348062592641
32 Lusaka Street, Wuse Zone 6,
Abuja, FCT.



About IPMC

IPMC Limited is a Nigerian professional management and consultancy services company specializing in proffering sustainable services to the public and private sector. Our focus is centered on delivering environmentally friendly and efficient solutions that comply with all standards. The IPMC approach is holistic, considering environmental, social, and economic aspects to provide innovative services from the start to the end of the product lifecycle. We tailor our services for each client to fit their uniqueness, and are driven by a team of experts in various fields including engineering, health, environment, business management, sustainability and finance. Our commitment to innovation keeps us abreast of the latest in technology and best practices, enabling us to offer solutions that enhance productivity and profit, making smart economic choices, and contributing to a sustainable economy.

Our Services



IPMC ACCREDITATIONS & REGISTRATIONS

