

SCALING SOLAR ENERGY FOR INDUSTRIAL SOLUTIONS



Introduction

Marvelous Mike Press Ltd (MMPL) is transforming Nigeria's industrial energy landscape through innovative renewable energy adoption. Established in 2006 as a leading security printing company, MMPL has built a reputation for delivering high-quality printing services.

The company recognized the critical need to address rising energy costs and unreliable grid power that threatened operational efficiency. By partnering with the Bank of Industry to implement a comprehensive solar energy solution, MMPL has demonstrated how industrial enterprises can successfully transition to sustainable energy while maintaining profitability and growth.

Today, MMPL stands as a pioneering example of how climate-smart investments can drive industrial transformation, reduce environmental impact, and create lasting value for stakeholders across Nigeria's manufacturing sector.

The Challenge

Unreliable Power Supply:

Frequent grid outages and voltage fluctuations disrupt production processes, damage sensitive equipment, and compromise product quality.

Escalating Energy

Costs: High electricity tariffs and expensive diesel backup power consume substantial operational budgets, reducing profitability and competitiveness.

Environmental Impact:

Heavy reliance on fossil fuel generators contributes to carbon emissions and local air pollution, conflicting with global sustainability trends.

BOI's Intervention

BOI's intervention enabled MMPL to:

- Implement advanced energy storage solutions by the installation of a comprehensive 300kWp solar photovoltaic system with 800KW hybrid inverter technology.
- Deploy smart monitoring and control systems for optimal energy management.
- Achieve significant operational cost savings while improving environmental performance

SUPPORTING MSMEs WITH AFFORDABLE ENERGY SUPPLY



- **Renewable Energy Capacity:** 300kWp solar installation generating 442.35 MWh annually.
- **Productivity Gains:** Enhanced operational efficiency through reliable power supply.
- **Business Sustainability:** Improved profit margins supporting long-term growth.

SUPPORTING INFRASTRUCTURE AND INDUSTRIALIZATION IN NIGERIA

- **Industrial Modernization:** Integration of cutting-edge renewable energy technology.
- **Innovation Demonstration:** Showcasing viable industrial solar solutions for SMEs.



MEETING CLIMATE GOALS



- **Emissions Reduction:** 253 tons CO₂ avoided annually through renewable energy adoption

Marvelous Mike Press success demonstrates how strategic renewable energy investments can transform industrial operations while delivering measurable environmental and economic benefits. BOI's financing partnership showcases the critical role development finance institutions play in accelerating Nigeria's industrial energy transition.

This proven model offers a blueprint for scaling climate-smart industrial solutions across Nigeria's manufacturing sector.

BOI can leverage this success to:

- Expand industrial renewable energy financing programs
- Support technology transfer and capacity building initiatives
- Develop specialized green financing products for SME manufacturers
- Create industry-specific climate finance frameworks

Reliable power. Reduced costs. Enhanced competitiveness. Climate finance makes it possible.