

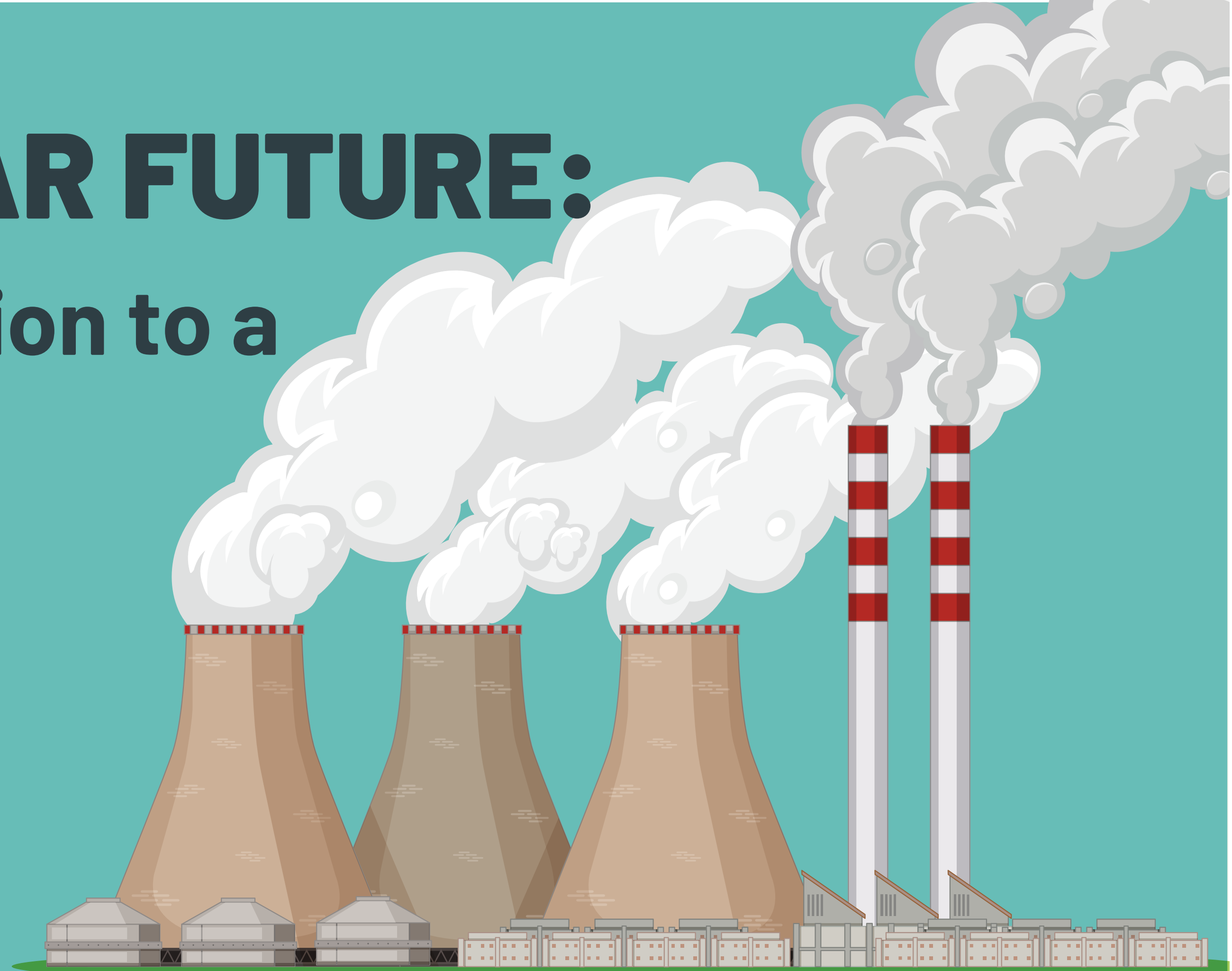
SHAPING A RESILIENT NUCLEAR FUTURE:

Cultivating Safety during Kenya's Transition to a Comprehensive Nuclear Regulation

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INTRODUCTION

Nuclear technology often raises safety concerns, but recent advances have significantly improved the safety of nuclear power plants. However, the potential consequences of nuclear accidents remain a source of significant anxiety. Past disasters highlight that such catastrophes often stem from human and organizational errors. Tackling these safety issues is becoming a growing focus of attention.

OBJECTIVE

- To analyze Kenya's progress in developing a nuclear regulatory framework, emphasizing proactive leadership and a safety culture.
- Context on nuclear technology safety improvements and the anxiety surrounding nuclear accidents.
- Overview of Kenya's nuclear energy sector and its transitional phase towards comprehensive regulation.



FINDINGS

- The critical role of proactive leadership, openness, transparency, and regular information sharing in cultivating a safety culture.
- Importance of initiating safety culture efforts early in the regulatory process.
- **Key milestones:** Drafting of the Nuclear Regulatory Bill 2018, peer reviews, consultations, and the Presidential assent to the Bill in December 2019.



IMPLICATIONS

- The enactment of the Nuclear Regulatory Act, 29 of 2019, signifies a major leap towards ensuring nuclear safety and security in Kenya.
- Emphasizes the need for continuous self-assessment, improvement, and the integration of safety culture into organizational structures and practices.



FUTURE DIRECTIONS

Strategies for maintaining safety as a cornerstone within the regulatory framework and management practices.



CONCLUSION

The successful transition to a comprehensive nuclear regulatory framework in Kenya serves as a model for integrating safety culture in the development of nuclear energy sectors globally.

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