



# Title: "Empowering the Energy Market: Exploring the Benefits and Challenges of Peer-to-Peer Energy Trading through Blockchain Technology"



# Empowering the Energy Market

In this presentation, we will explore the benefits and challenges of peer-to-peer energy trading using blockchain technology. We will discuss how this innovative approach can revolutionize the energy market and provide a more sustainable future for all.

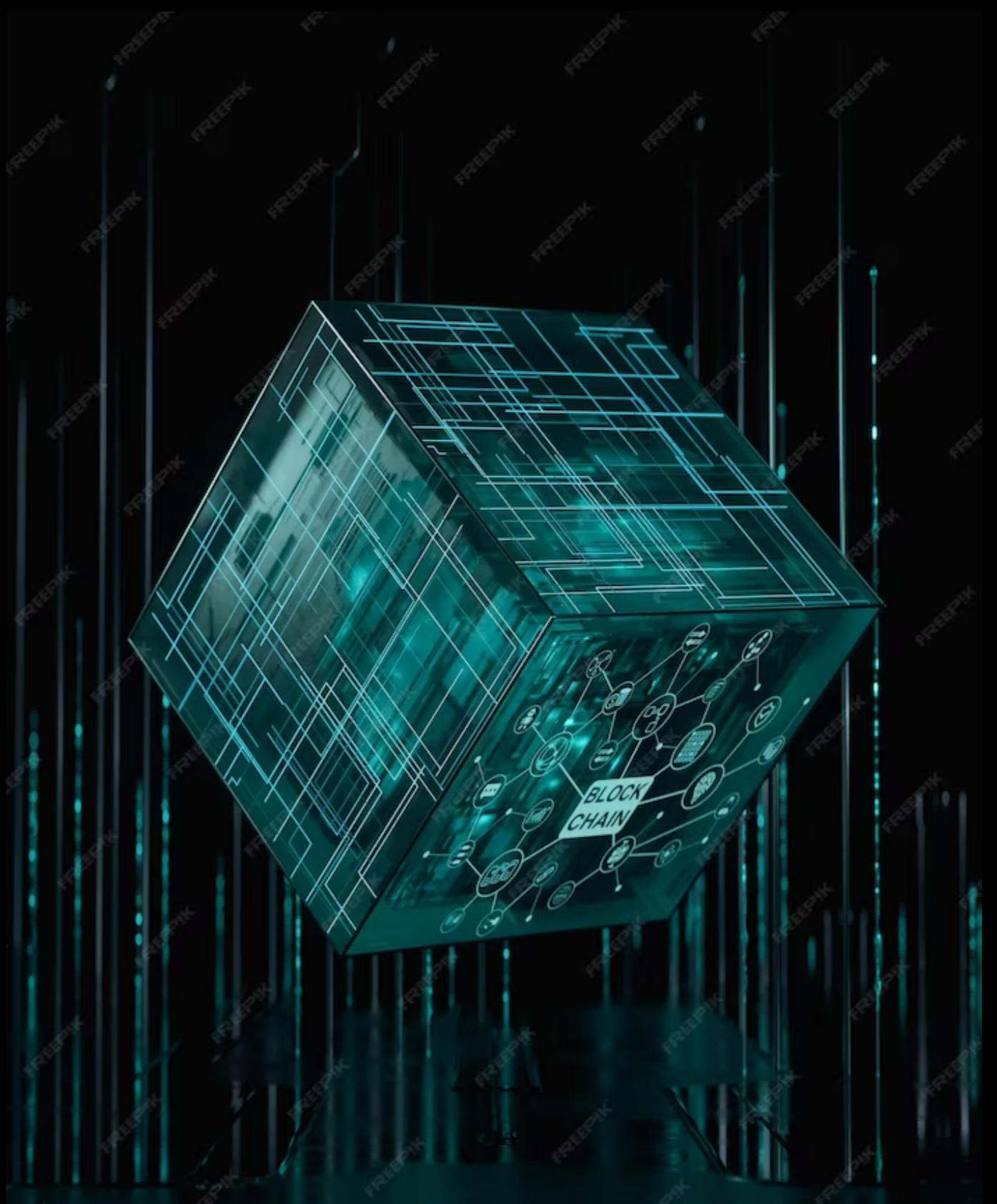


## The Current Energy Market

The current energy market is centralized and controlled by a few large corporations. This leads to high prices and limited access to renewable energy sources. Peer-to-peer energy trading can disrupt this model by allowing individuals and businesses to buy and sell energy directly to each other.

## How Blockchain Technology Works

Blockchain technology is a decentralized ledger that records transactions in a secure and transparent way. It allows for peer-to-peer transactions without the need for intermediaries. This technology is ideal for energy trading because it can track the production and consumption of energy in real time.





## Benefits of Peer-to-Peer Energy Trading

Peer-to-peer energy trading can provide several benefits, including lower energy costs, increased access to renewable energy sources, and a more sustainable energy market. It can also provide additional income streams for energy producers and reduce the need for large-scale energy infrastructure.



## Challenges of Peer-to-Peer Energy Trading

Peer-to-peer energy trading faces several challenges, including regulatory barriers, technical limitations, and the need for standardized protocols. However, these challenges can be overcome through collaboration between industry stakeholders and the development of innovative solutions.

# Conclusion

Peer-to-peer energy trading using blockchain technology has the potential to revolutionize the energy market and provide a more sustainable future for all. While there are challenges to overcome, the benefits of this innovative approach are significant. We encourage all stakeholders to work together to explore the possibilities of this exciting new technology.

# Thanks!

Siddharth Mantri  
12020002018003  
CSBS

