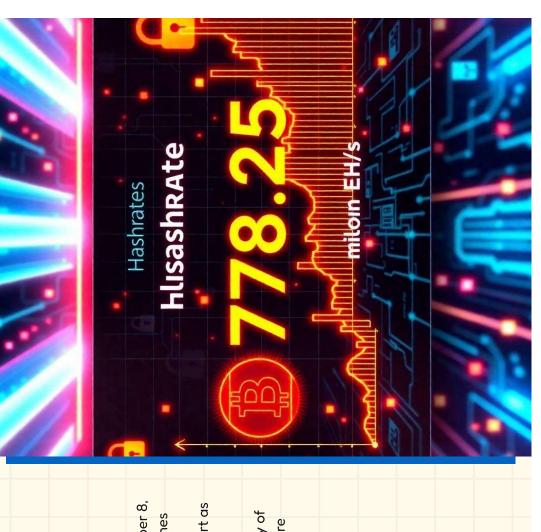
BTC being the main shareholder with about \$1.2 10,000 types of cryptocurrencies have been traded worldwide (Statista, 2024). Total crypto market cap is currently about \$2.15 trillion (CoinMarketCap, 2024) က ~ Bitcoin 56.0% Cryptocurrency Statistics Points scored Other cryptos 44.0%

BTC Hashrate

BTC Hashrate in 24 Hours: The BTC hashrate is a crucial measure of the network's processing power. As of November 8, 2024, the hashrate stands at 788.25 million EH/s (exahashes per second)

(https://www.coinwarz.com/mining/bitcoin/hashrate-chart as of 8th nov).

This metric is vital as it reflects the security and efficiency of the Bitcoin network, with higher hashrates indicating a more robust and secure blockchain environment.



Power Efficiency of Bitmain Antminer S21

Power Efficiency: The Bitmain Antminer S21 boasts being the most popular miner with an impressive power efficiency of 16.5 J/TH (joules per terahash)
(https://m.bitmain.com/product/detail?pid=000202410291655 19141IBFc0bx8068E).

This efficiency is essential for miners, as it directly impacts the cost of mining Bitcoin and the overall sustainability of the mining process. Efficient mining hardware is crucial for maintaining profitability in a competitive market.

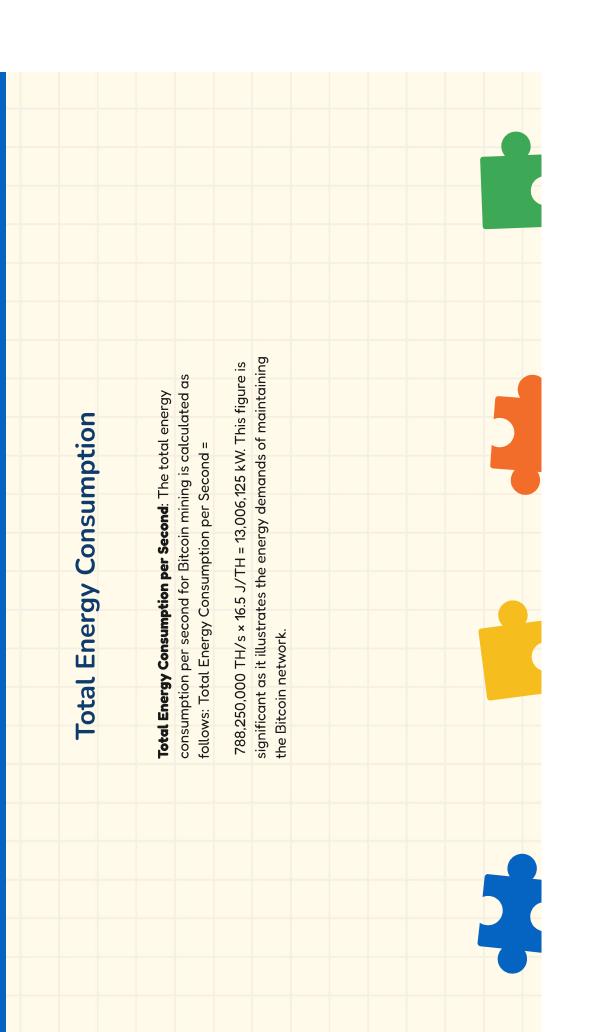


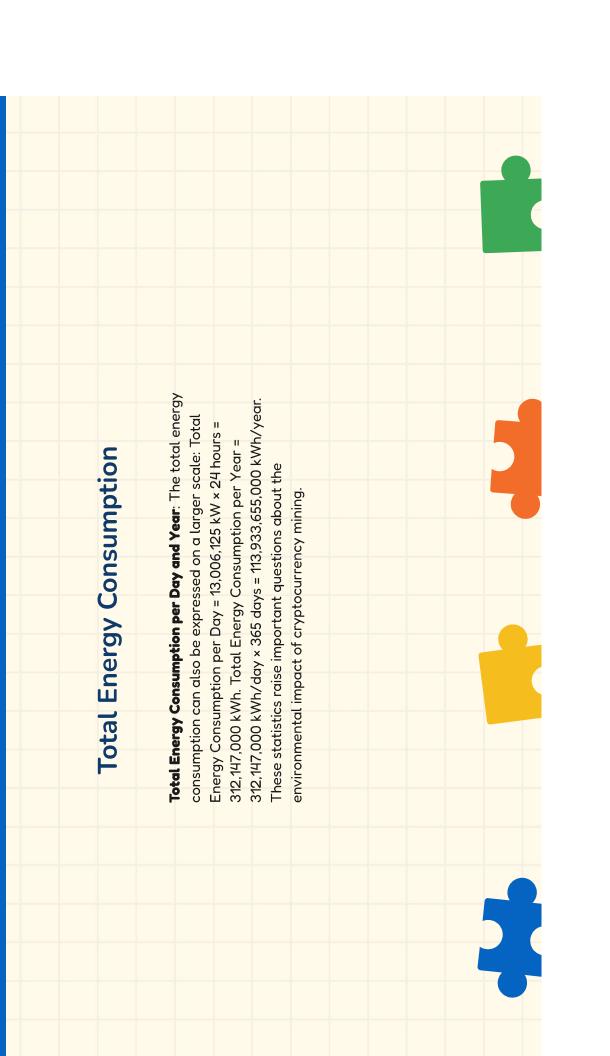
Daily BTC Transactions

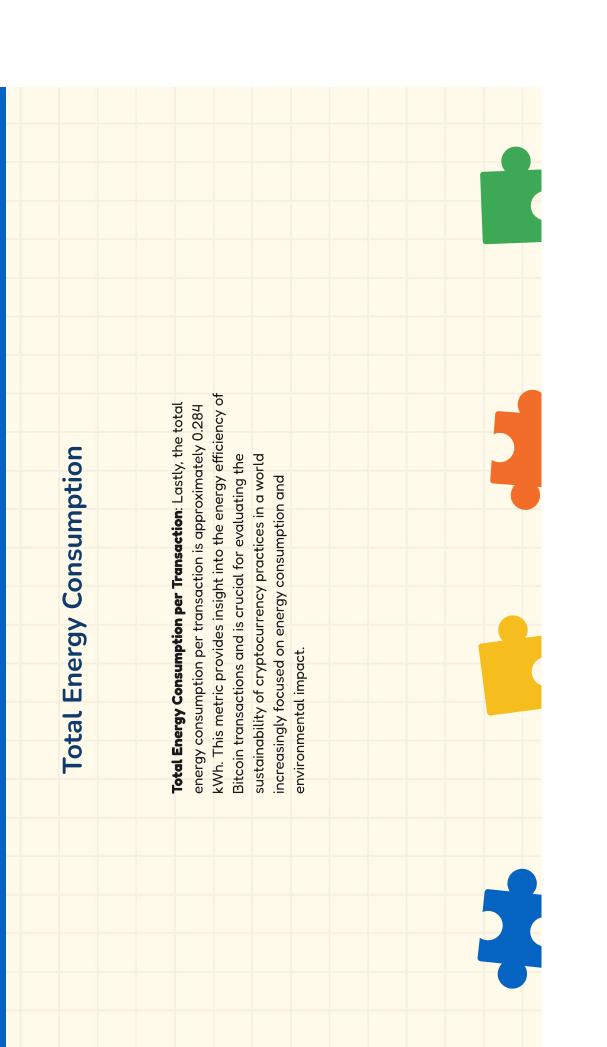
BIT. BITCONIAS

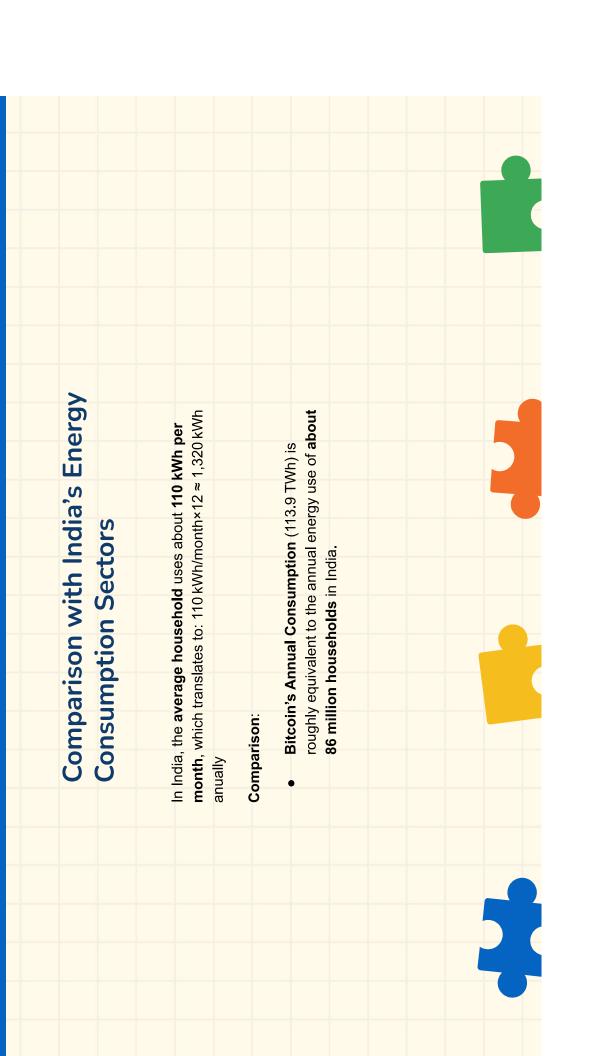
Daily BTC Transactions: The Bitcoin network processes approximately 1.1 billion transactions daily(https://ycharts.com/indicators/bitcoin total transactions#:~:text=Bitcoin%20Total%20Transactions%20is%20at,21/48%25%20from%20one%20year%20ago). This staggering number highlights the widespread use of Bitcoin as a medium of exchange and a store of value. The increasing transaction volume reflects the growing acceptance of cryptocurrencies in everyday financial transactions.













Comparison with India's Energy power(https://www.torrentpower.com/index.php/site/info 362 MW×24 hours/day×365 days=3.17 TWh annually. Bitcoin's Annual Consumption (113.9 TWh) would require about 36 power plants of this Sabarmati thermal power station in Ahemdabad If it operates continuously, this would generate **Consumption Sectors** size operating year-round. produces around 362 MW of (sabarmatitps) approximately: Comparison: **Power Plant Output**