

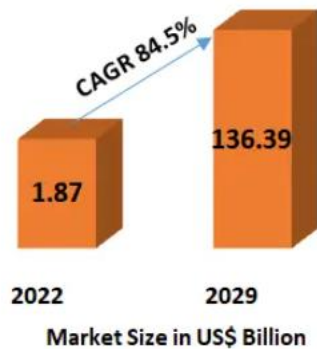
# Fact Sheet about “Thailand Digital Token And National Blockchain Infrastructure Symposium”

- **Why Blockchain is important to transformative government**
- Blockchain represents a foundational shift for national infrastructure, introducing a new backbone of connectivity and integrity. As governments adopt this technology, they can construct a future-proof infrastructure that not only enhances the security and efficiency of data management but also paves the way for innovative public services. This digital infrastructure, built on blockchain's immutable ledger, ensures that every transaction and data exchange within government ecosystems is transparent and tamper-proof, establishing a new standard for accountability and trust in public administration.
- **How Blockchain can help revolutionize Thailand's Public Sector**
  - **eKYC & Authentication:** Blockchain secures digital identity verification, streamlining government service access and minimizing identity fraud.
  - **Programmable Money:** Smart contracts on blockchain automate government payments and financial transactions, enhancing transparency and efficiency.
  - **Health Information Exchange:** A blockchain framework provides a secure platform for managing and sharing medical records, improving healthcare delivery
  - **Carbon Credit:** Blockchain offers a transparent system for carbon credit issuance and trading, promoting environmental accountability.
  - **Supply Chain:** Blockchain application in supply chains ensures real-time tracking and authenticity of goods, essential for government oversight.
  - **Food Safety & Traceability:** Using blockchain for food traceability enhances safety monitoring, quickly identifying contamination sources.
  - **Energy Management:** Blockchain enables direct energy trading from renewable sources, promoting sustainability and market efficiency.
- **Global insights: how other nations implement blockchain in governance**

**Table 2.** Blockchain Use Cases Adopted by Governments and the Focus of Blockchain Applications

Use Cases	Representative Countries	Focus
Medical and healthcare	China, United States, Switzerland, Phillipines, Japan, Brazil, etc.	Supply chain, Internet-of-Things, etc.
Financial applications	(Almost) All	Cryptocurrencies, asset management, etc.
Critical infrastructures	South Korea	Asset management, optimization, etc.
Blockchain city	Malaysia	Cryptocurrency, data management
Asset management	Georgia, Sweden, Switzerland	Land registry, property transactions, etc.
Education	Japan, Malta	Certificate management
Data management	Phillipines, Australia	Cloud data management

- **Market for blockchain in the government sector is experiencing rapid growth**
- Blockchain Government Market is expected to reach US \$ 136.39 Bn by 2029, at a CAGR of 84.5%



- **Protocol Diversity in Blockchain Technology**
- Blockchain has many protocols because it's a versatile technology that caters to a wide array of applications, each with unique requirements for security, speed, consensus mechanisms, and governance. Different protocols emerge to optimize for specific use cases: for instance, Bitcoin provides secure peer-to-peer transactions, Ethereum facilitates smart contracts, and others prioritize energy efficiency or scalability. This diversity allows for tailored solutions across various industries, from finance to supply chain management, ensuring that each blockchain network operates under the ideal parameters for its intended purpose.
- **Engaging world-class experts for national blockchain infrastructure**
- To build a robust national blockchain infrastructure, governments need world-class experts who can navigate the complex landscape of blockchain protocols. These experts bring with them an essential blend of technical proficiency, strategic foresight, and experience in regulatory compliance that is crucial for tailoring

blockchain solutions to public sector needs. They ensure that the selected protocols align with national security, economic goals, and societal values. Moreover, their expertise is vital in creating a resilient infrastructure that can support large-scale operations, withstand cyber threats, and evolve with technological advancements, ultimately facilitating a seamless integration of blockchain into the fabric of national governance.

- **Combining global and local expertise for successful blockchain integration**
- Incorporating both world-class and local experts is pivotal for governments in establishing a national blockchain infrastructure. Global experts bring a wealth of international experience and knowledge of best practices that can elevate the security, efficiency, and scalability of blockchain systems. Meanwhile, local experts offer invaluable insights into the nation's specific legal, cultural, and socio-economic contexts, ensuring the technology is adapted to meet local needs and regulatory requirements. This synergistic approach ensures that the infrastructure is not only state-of-the-art but also resonates with the local populace, fostering broader acceptance and more effective implementation of blockchain technology in public services.