Thanks to well-developed virtual currencies and virtual transactions today, technologies like Bitcoin, Ethereum, smart contracts, Hyperledger, etc., have become more popular. The preceding is all constructed with the idea of blockchain, numerous scholars and experts have begun to pay attention to it. Therefore, blockchain can be considered as the next-generation technology. In contrast with the traditional centralized database-based system, blockchain has several characteristics: immutable, decentralized, open-source, transparent, autonomous, etc. The system which been built on this technology is much safer and more efficient than the conventional one. To update and make sure users maintain the same ledger, every node within the Blockchain-based system can receive the latest information. Enterprises and organizations can take advantage of blockchain features to adapt the conventional system for new processes as automatically updating and maintaining data. They can also advance them to the next generation industry. The concepts and technologies of blockchain can be implemented in various domains. Our alliance has (1) blockchain bicycle-sharing economy, (2) food production and sales history blockchain, (3) financial securities and centralized custody blockchain, (4) e-book blockchain number digital rights management, (5) digital evidence preservation, (6) blockchain security, privacy protection, and efficiency improvement technology. These technologies have been applied to the Internet of Things industry, agricultural production and marketing, logistics, food processing, digital identification, the publishing industry, digital content industry, financial industry, information security industry, and other industries.

In addition to the second period of the alliance project (continuing the previous period), the technology and application development experience in the above six main fields is also used to introduce blockchain technology to the enterprise or organization and assist in the analysis of the feasibility of deployment. In this period, innovations in blockchain applications will also be explored, and blockchain systems or related technologies will be built according to the needs and characteristics of various target application scenarios. Eventually, a blockchain technology service center will be established to properly construct and maintain the alliance chain to

serve multiple industries in a self-sufficient manner.