

UCS LAB PROJECT

INFO

TITLE

Blockchain-based delegated Quantum Cloud architecture for medical big data security

RESEARCH SUPPORT

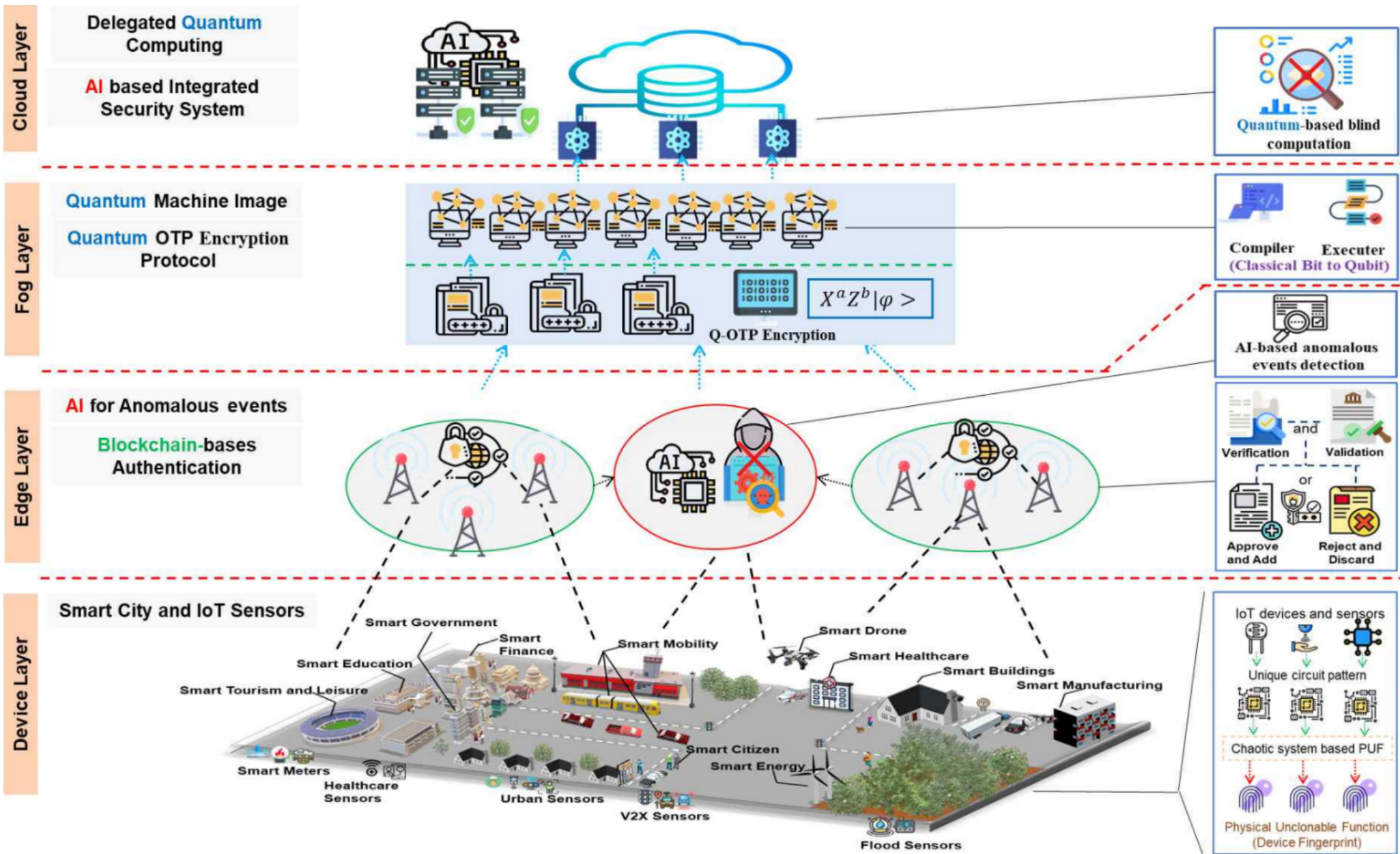
National Research Foundation of Korea

PERIOD

2022.12.26~ 2025.12.25

RESEARCH FUNDS

389,050,000₩



ABOUT PROJECT

This study studies the underlying technology for developing a blockchain-based delegated quantum cloud that provides secure authentication between various devices and efficient and secure services of data used in the cloud in a large-scale smart city environment

UCS LAB PROJECT

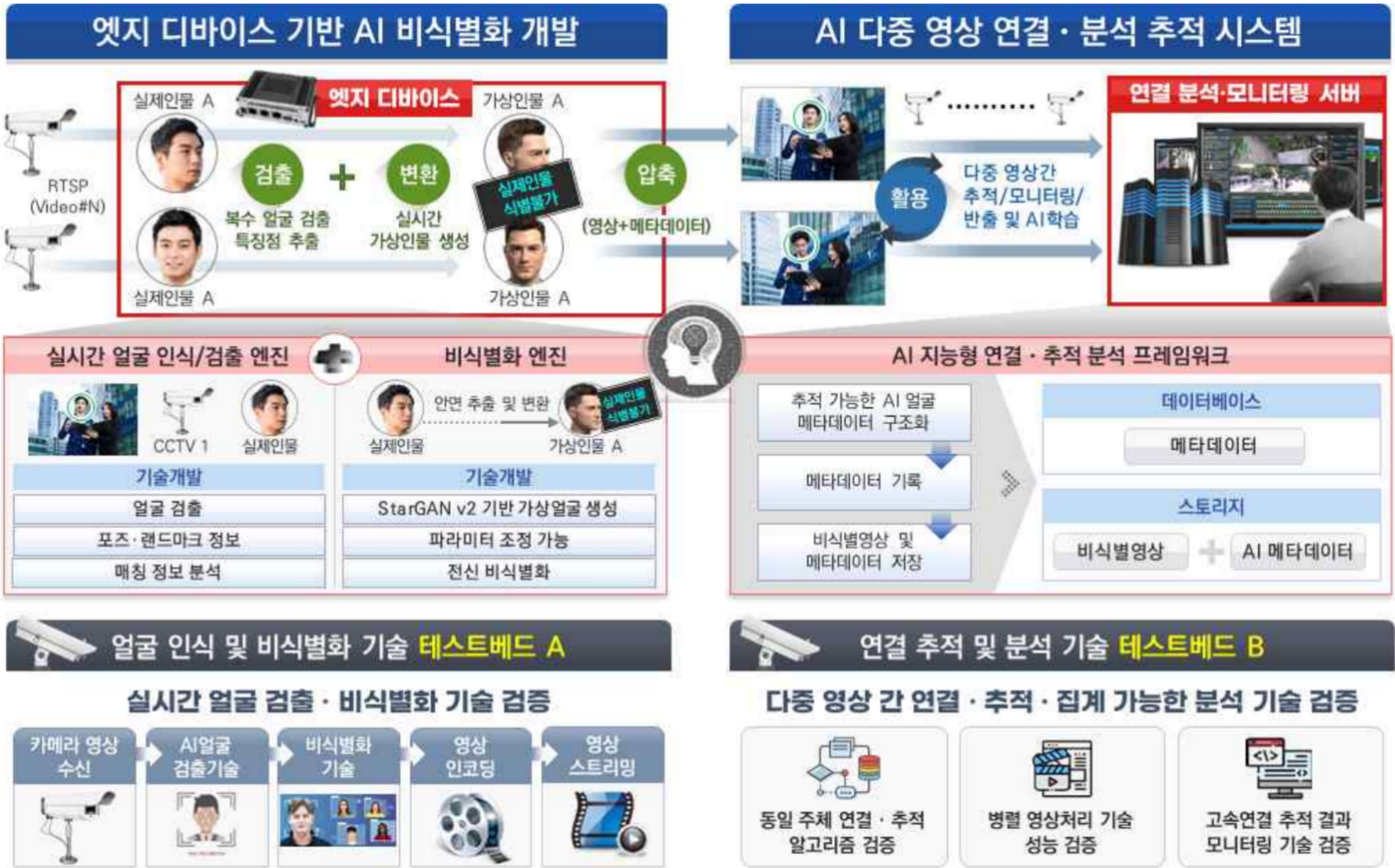
INFO

TITLE
Real-time face de-identification technology that enables same-subject connection analysis in facial recognition CCTV

RESEARCH SUPPORT
Korea Internet & Security Agency (KISA)

PERIOD
2023.04.01 ~ 2025.12.31

RESEARCH FUNDS
240,000,000₩



ABOUT PROJECT

This study conducts research on real-time face de-identification technology that enables connection analysis of the same subject to protect personal information in a facial recognition CCTV environment

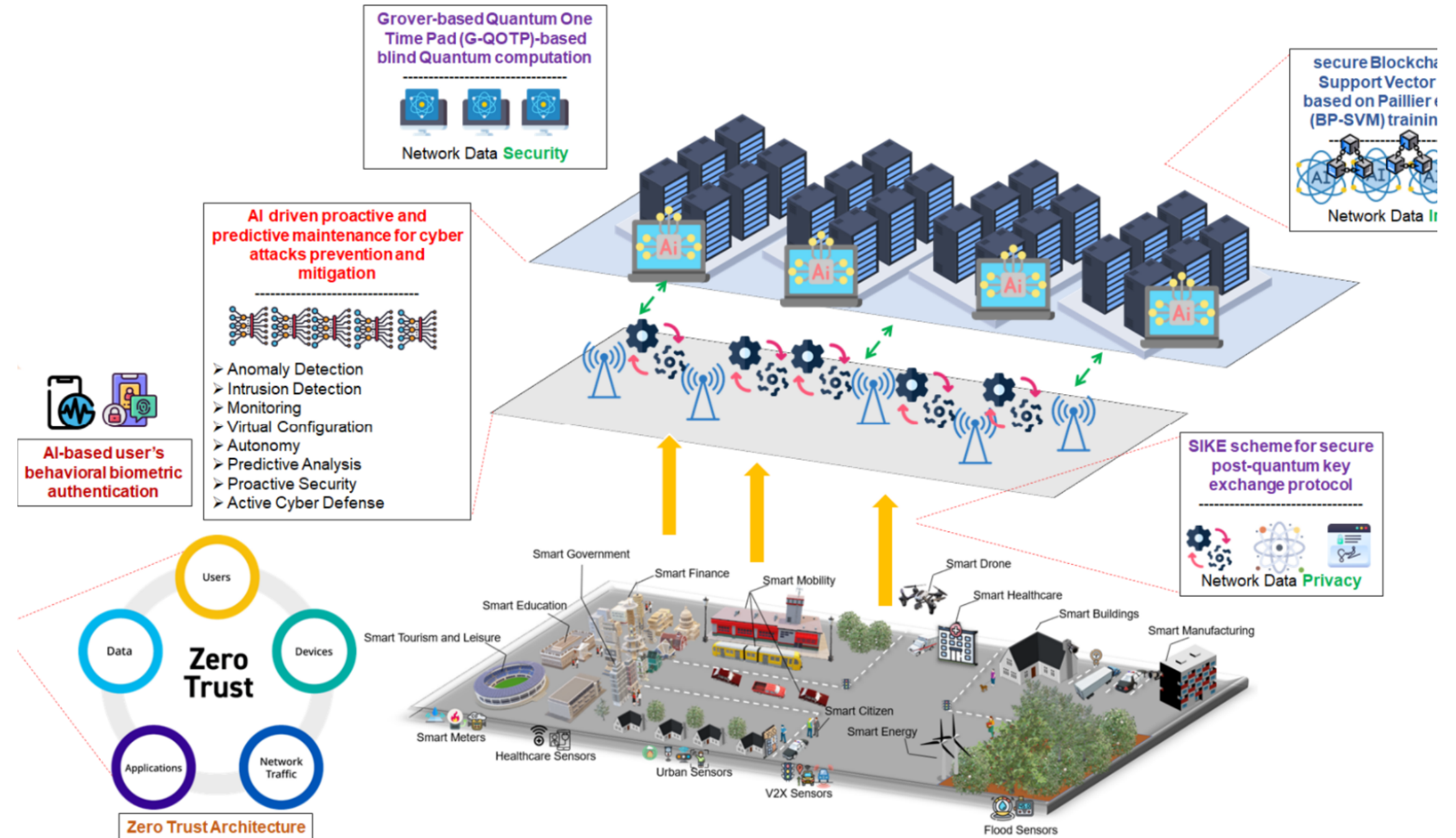
TITLE

RESEARCH SUPPORT

PERIOD

RESEARCH FUNDS

600,000,000₩



This study aims to develop safe and efficient wired and wireless communication networks using next-generation technologies such as quantum machine learning, post-quantum encryption techniques, blockchain, and AI, and secure the source technology of national strategic technology by developing quantum machine learning-based cybersecurity attack technology for sustainable wired and wireless communication network services

UCS LAB PROJECT

INFO

TITLE

Development of Efficient and Reliable AI-based Cyber Attack Detection Technology to Provide Safe Services of IT&OT Convergence Control System

RESEARCH SUPPORT

Korea Institute for Advancement of Technology (KIAT), Korea

PERIOD

2024.09.01 ~ 2027.08.31

RESEARCH FUNDS

300,000,000₩



ABOUT PROJECT

Develop efficient and reliable AI-based cyber attack detection technology to ensure the secure operation of IT&OT converged control systems, considering the security paradigm of industrial digital transformation