



民生公共物聯網 Civil IoT Taiwan

Civil IoT Taiwan is part of the government's Forward-looking Infrastructure Development Program under the Digital Construction initiative. With the collaborative efforts of the National Science Council, Ministry of Environment, Ministry of Economic Affairs, Ministry of Agriculture, Ministry of Transportation, Ministry of the Interior, Ministry of Digital Affairs, and Academia Sinica, the project is jointly executed across departments, prioritizing four key areas: air quality, water resources, earthquakes, and disaster prevention and response. By leveraging artificial intelligence and IoT technologies, various smart living services are developed to assist the government and the public in jointly addressing the challenges brought by environmental changes. By combining the innovative power of industry, academia, and research, the project aims to develop the IoT industry ecosystem and export solutions internationally.

This project, conducted through public-private collaboration with a focus on government initiatives, encompasses autonomous R&D, application deployment, data aggregation, industrial innovation, and international promotion. The exhibition showcases highlight technological achievements in air quality, earthquakes, water resources, and disasters. It includes Mobile Air Quality Sensors, High-Resolution Air Quality Forecasting, Smart Inspection with BOTRUN AI, IoT-based Water Quality Monitoring Systems, Water Resources Agency AI robot Diana, Smart Irrigation Monitoring Systems, Integrated Real-Time Land-Sea Seismographic Networks, Earthquake Early Warning (EEW) Systems, Earthquake Rapid Reporting Systems, AI-based EEW and Structural Health Monitoring (SHM) Systems, All-Hazard Decision Support Systems,

Emergency Management Information Cloud (EMIC), and Band20 IoT Network Service. These endeavors aim to deliver palpable benefits to citizens, promote industrial intelligence, and advance digital economic development.

