

# 3D Digital Twin Visualization Platform for Digital Transformation



## WeMB Corporation

WeMB, an expert in smart city operation and management based on digital twin technology, was founded in 2004 and has developed an integrated management platform, optimized for command and control centers, and obtained several technology patents for 19 years.

Its core businesses are development and implementation of smart city integrated management platform, integrated monitoring system based on digital twin, big data collection, AI based forecasting, and building of command and control centers. Currently, over 300 references for global finance, manufacturing, telecoms, and logistics industries.

With success know-hows obtained from a lot of references, WeMB will provide its customers with the best solution and services.



## WeMB Solution

WeMB carries out smart city integrated management business using TIM, its data collection, aggregation, and processing solution, and RENOBIT, its 3D visualization solution.

TIM is a platform which collects, aggregates, processes, and analyzes the data generated from database, API, and point solutions. RENOBIT is 2D and 3D data visualization platform, and enables the users to monitor the site in real time based on a 3D digital twin model looking the same as a real physical environment.

By applying the platform for various areas in smart cities such as smart building, smart factory, smart datacenter, and energy consumption, the users can gain an efficient integrated monitoring and management environment, intuitive monitoring based on 3D digital twin, and fast and effective response to events. It is an optimized solution for command and control centers in order to control every situation and manage operation centrally.



## Smart City Integrated Management Platform

Monitoring of real-time status in city and optimization of planning and operation with 3D digital twin model and data interface

### Safety & Prevention of Accident

- Detection of Aging
- Failure of Infrastructure

### To Create a New Business Model

- Management of City Resources and Core KPIs



### To Maintain Order in City

- Public Transportation
- Traffic
- Parking Management

### ESG & Cost Control

- Smart Energy Operation and Sustainability

## Reference

Cathay Financial Holdings | Taipei Fubon Commercial Bank | AUO Corporation  
National Biotechnology Research Park | Gamania Digital Entertainment

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