Varadise Limited

Managing Real World Data with Digital Twin

VARADISE
Building Twin of Reality

Varadise limited

Vision

Bridging physical and virtual world with Digital Twin,
Paving the way for digital transformation.

Integrate, manage and analyze data in real time,
Help user make smarter decisions using AI.

07 Jan 2020

VARADISE
Building Twin of Reality

We provide

One-stop-solution for Construction, Facility & City Data Management

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Construction Management

Facility Management

Smart City Management

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Our Products

Varadise Twin

A powerful digital twin platform with ability to render complex city scale models in single platform with real time big data

Varadise DWSS+

Effortless digitization for your day-to-day workflow through our web app. Standard DWSS and more.

IoT Hub

Connecting to any IoT sensors or systems with ease with our state of art infrastructure.

Accuman

The AI analytical engine that act as brain and process data to give real time insight and predictive analytics.

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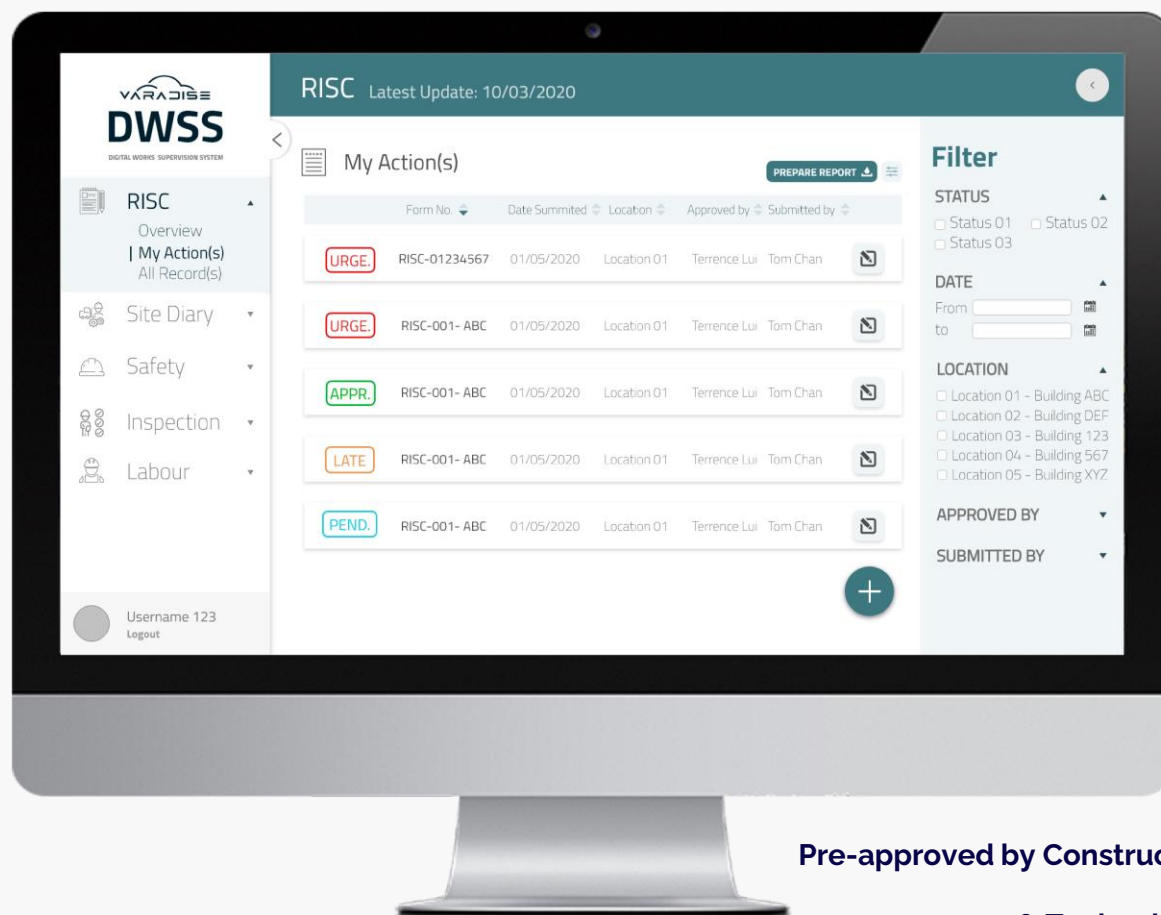
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Varadise Twin

Varadise Twin is an all-in-one digital twin platform that integrates BIM Spatial Data, IoT Sensors and Engineering Data.

It creates a digital replica of the real world that helps stakeholders to manage projects, facilities and cities with ease.
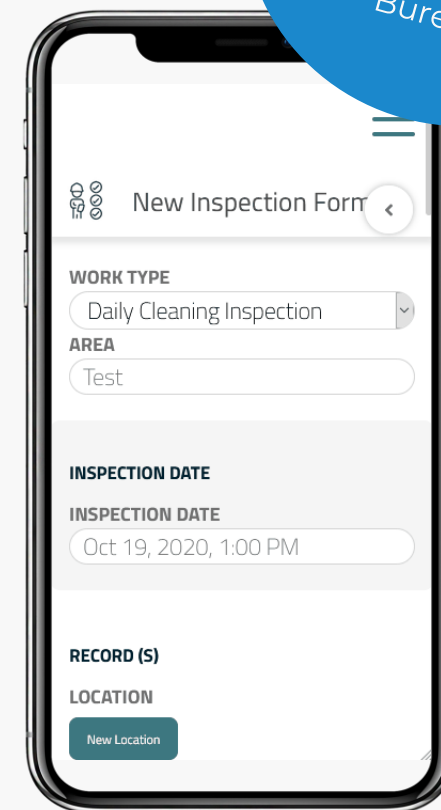

Workforce

GIS

CCTV

BMS

Terrain

Environment

Plants

Alerts

IoT

Web Access

DWSS

Data Lake

Progress

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Varadise DWSS+

CITF 建造業創科基金

Easy to use digital works supervision system:

- DevB DWSS standard modules
- Workflow Engine
- Customizable e-forms
- Reports and Analytics
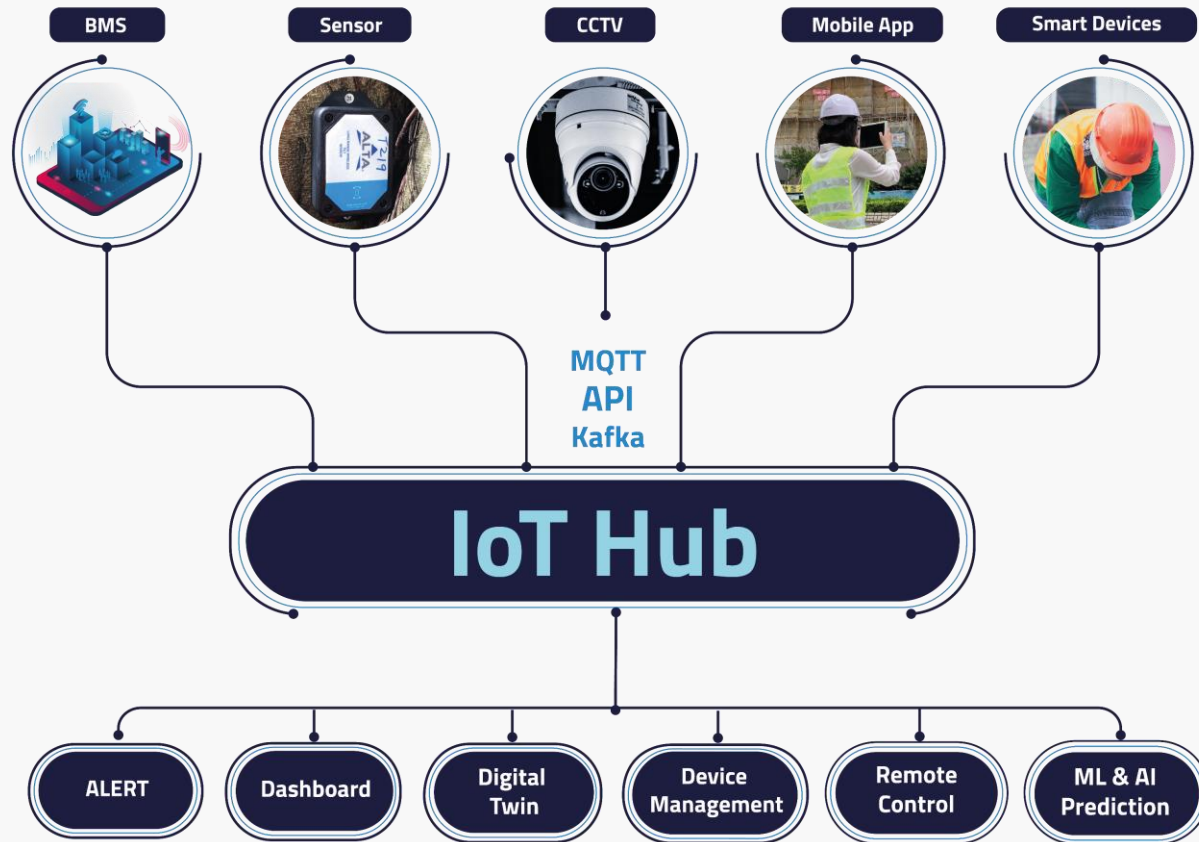- Integration with Chatbot

Pre-approved by Construction Innovation & Technology Fund (CITF)

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Varadise IoT Hub

BMS | Sensor | CCTV | Mobile App | Smart Devices

MQTT
API
Kafka

IoT Hub

ALERT | Dashboard | Digital Twin | Device Management | Remote Control | ML & AI Prediction

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Your one-stop data hub for IoT and more:

- Connect with any IoT devices with ease

- Real time streaming and monitoring

- Designed with scalability

- Seamless Integration with Varadise Twin

Smart Construction Management

Varadise centralizes all construction information, including BIM spatial data, construction project data and real time data through IoT sensors.

Powered by Varadise AI Analytical Engine Accuman, we can help you to:

- Enhance site safety with realtime monitoring and alerts
- Save cost and time with better efficiency
- Have single source of truth and traceability through out the project life cycle
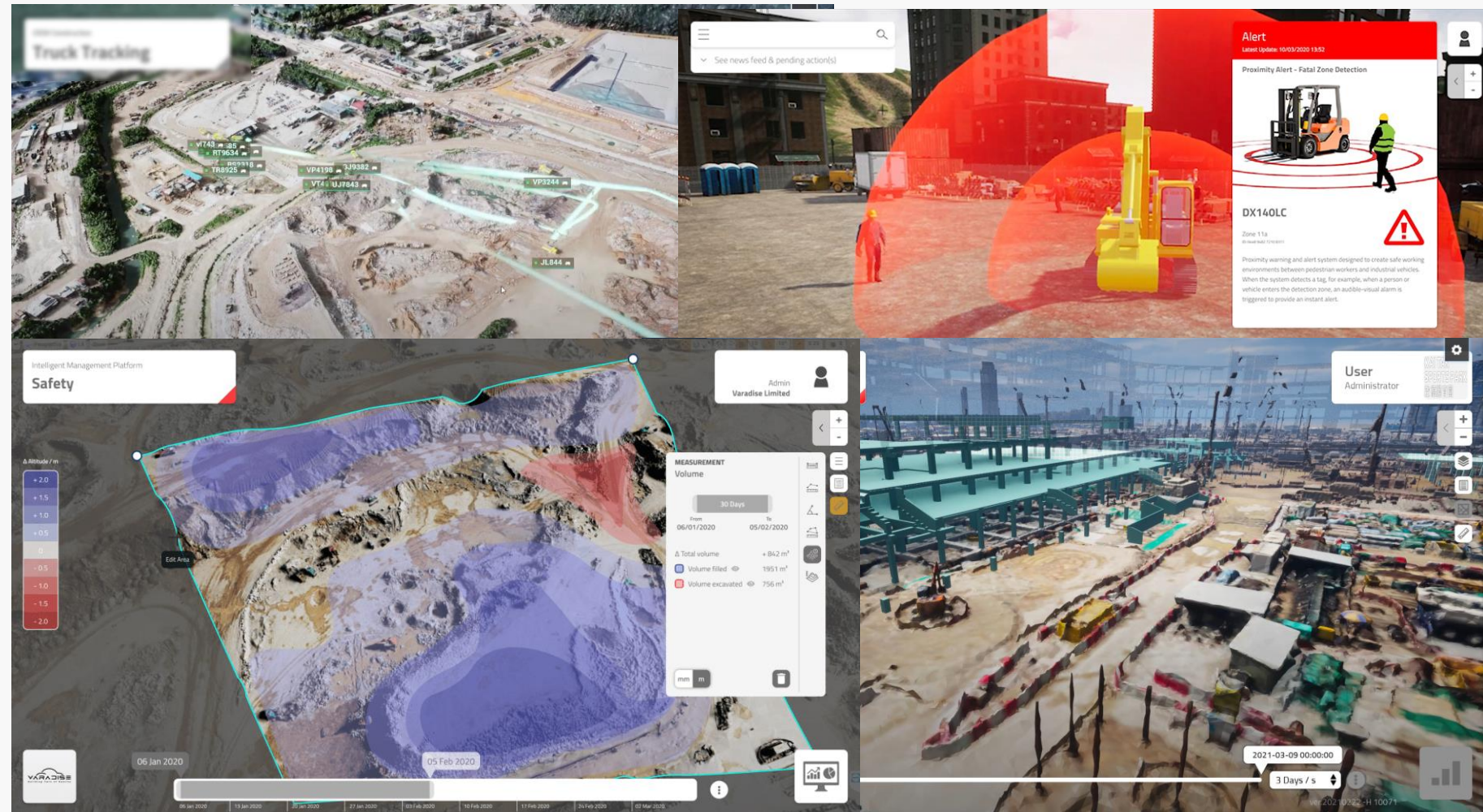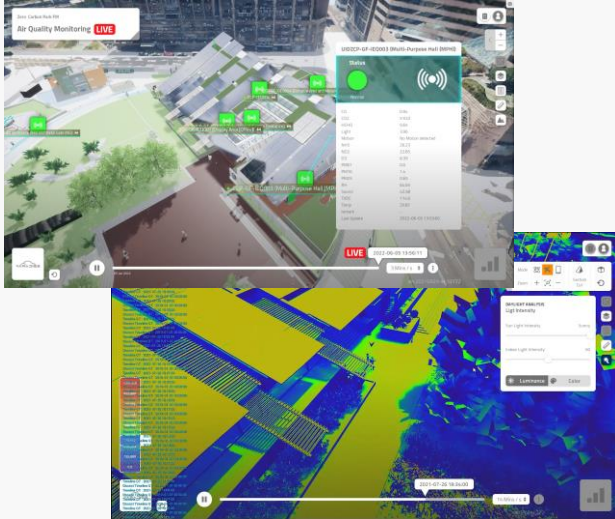

- Workforce monitoring

- Plant Tracking with **GPS**

- **4D** Planning and Progress Monitoring

- Realtime Monitoring with **IoT Sensors**

- Enhance Safety with **AI**

- **MiC** management

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Smart Facility Management

By integrating data from BIM, BMS, IoT and business apps, we help building owner and operator to manage their facilities more efficiently, enhance sustainability and save cost.

- IoT Sensor Integration

- BIM Asset Management

- Smart Inspection And Maintenance

- Space Utilization

- Power Consumption Optimization

- Workforce Management

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Smart City

Our Varadise Twin platform can also support city scale management including urban planning, new town development, infrastructure monitoring & maintenance and environmental analysis.
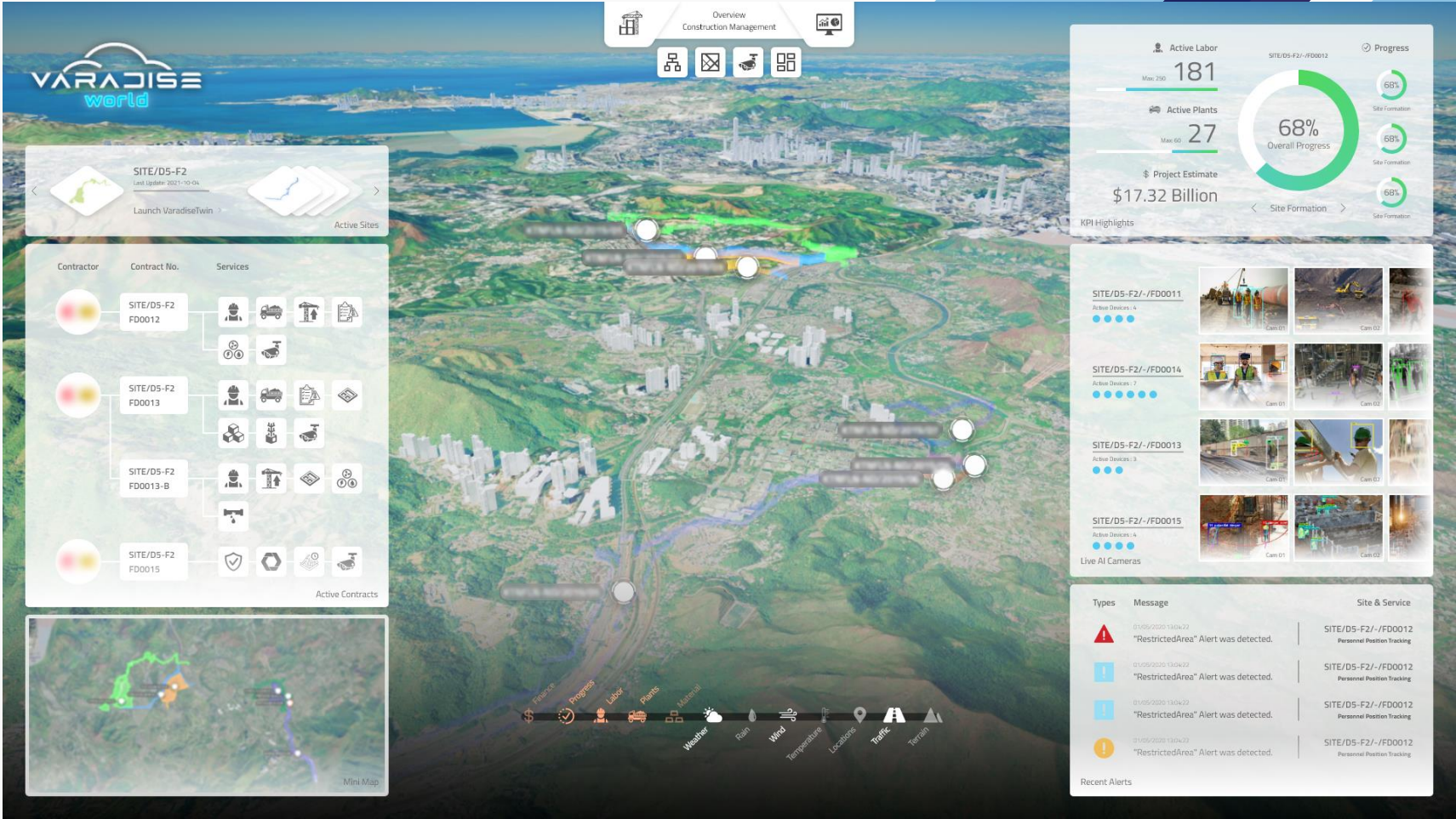
- GIS Integration

- Public Transport

- Infrastructure Monitoring

- Road maintenance

- Waste Management

- Traffic Monitoring

Clients and Partners

Why Varadise

Teams and Expertise

Our founder, Terence is a Chartered Civil Engineer and Fellow of ICE with 10 years of construction digitalization experience. At the age of 27, he is one of the pioneer in construction digitalization who led enterprise transformation in the industry. Terence is experienced in managing BIM Analytic, AI analytic, IoT, VR, Digital Twin and Business Intelligence (BI), driving business transformation through technology

Core Technology and Edge

1. Industry knowledge – With a strong engineering background, we understand the pain point of the AEC industry much better than our competitors from an IT background.

2. Model rendering capacity – Varadise Twin uses state of art cloud rendering technology and allow user to view large scale models without the need of local computing power.

3. AI Spatial analytic technology – While others focus on visualization, we focus on applying the right technology and analytics to help our clients solve real problems.

Competition & Awards

We have been widely recognized by the industry for our innovation and contribution toward the digitization journey for the construction, FM and smart city industry.

Start your digitization journey now

LAWRENCE Wan

Business Development Manager - Varadise Limited

Rm 1029, 19W, Hong Kong Science Park

Tel: (852) 2312 6880

Mob: (852) 5323 6661

Web: https://www.varadise.ai/

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