

Varadise Limited



INTRODUCTION OF ORGANISATION

Varadise Limited is a company specialised in digitalisation and spatial data management. Our Smart Site Management Platform (SSMP) powered by Digital Twin and data analytics technologies helps you monitor smart cities, facilities, and construction projects anywhere, anytime, from any device. We have worked with clients for various large-scale projects (e.g., Tung Chung New Town Extension, Kai Tak Sports Park). The platform creates a virtual replica of your projects and facilities for easy management and visualisation. Synchronised with real-time, real-world conditions through IoT and other technologies, the Twin ensures project teams are always on the same page with the most updated information.

THREE WINNING FACTS

All-round capabilities

Our technologies and expertise cover the entire construction life cycle. We provide holistic digital strategies, as well as the relevant technical, operational and vendor management support for companies lacking the experience in digital transformation – from design, planning, construction to operation stage.

Our team is highly versatile, with experience not only in software development, but also data analytics and civil engineering. We also provide wide range of smart technologies for clients to monitor a wide variety of site conditions catering their individual project needs, from site progress, safety to quality control.

Integrated and intuitive visualisation

Our platform combines BIM, GIS and IoT data to create integrated 4D visualisation that puts together BIM models, terrain/as-built data from drone survey, live IoT data, and workflow management systems such as DWSS. All data can be geo-mapped, time-stamped, and displayed

correspondingly on the 4D model, enabling clients to not only view real-time site conditions, but also trace historical records.

The integrated platform serves as a “single source of truth” for all project stakeholders – a shared platform which standardises, synchronises, and visualises data from all sources in one place, making communication seamless and transparent.

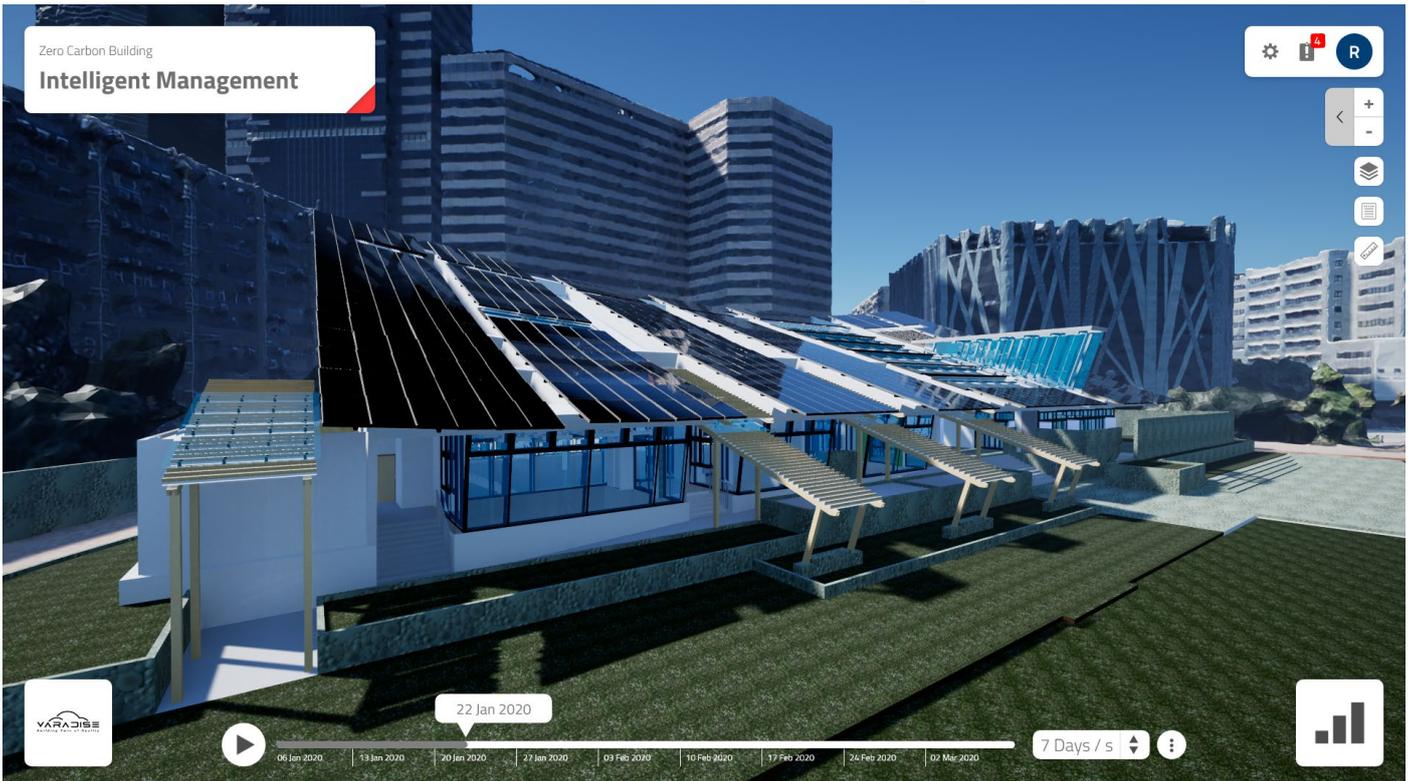
AI analytics & insights

Data without analytics is no more valuable than an arbitrary collection of numbers. Varadise Twin is not only a passive model that takes in and displays data, but it also serves as an active “brain” of your projects. The platform makes use of AI analytics to turn the sea of project data into actionable insights that inform better decision-making and help different stakeholders optimise future projects and operations.

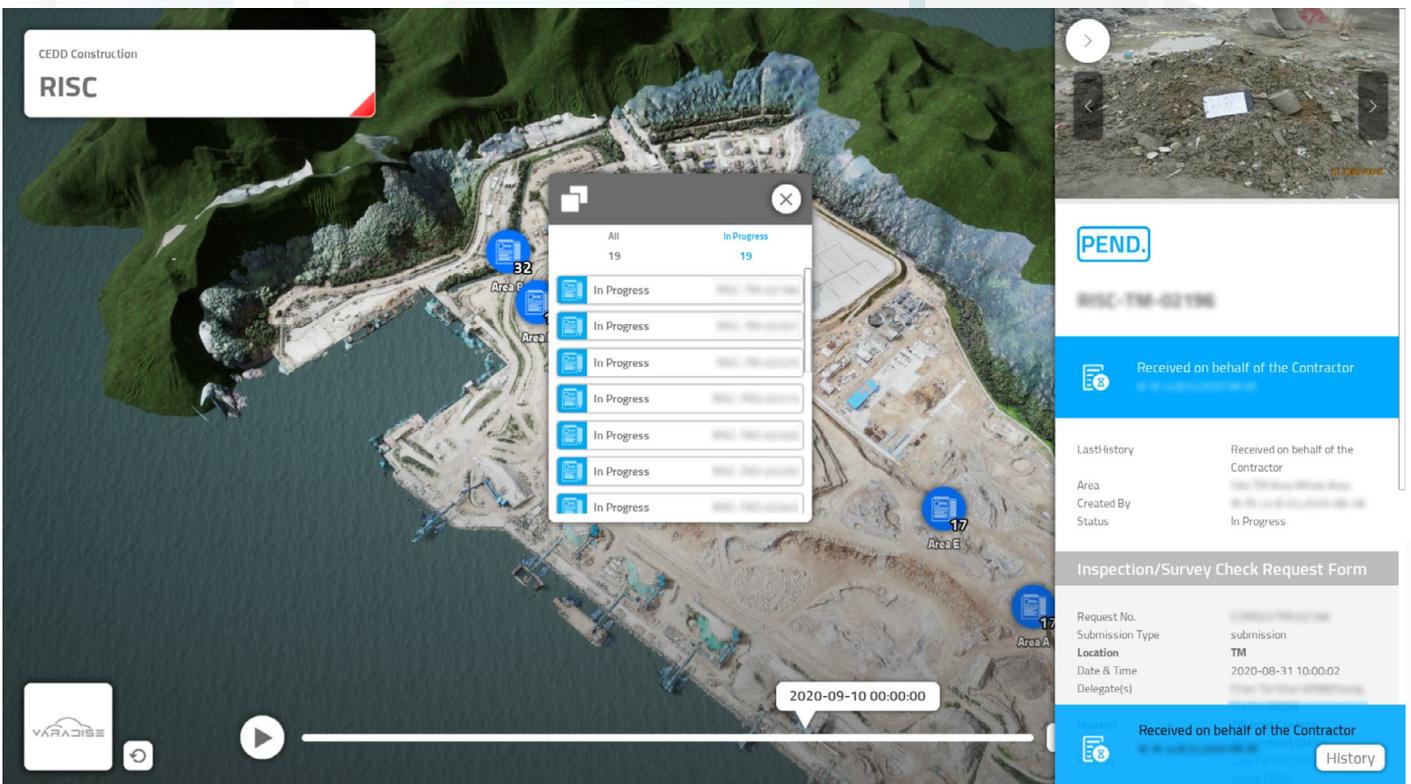
The system also generates interactive dashboards and reports, which are constantly updated and synchronised with real-time data to facilitate fast communication and reporting.



Project Reference: Digital Twin for facility management (e.g., asset maintenance and management, AI CCTV, daylight analysis) at Zero Carbon Park.



Varadise Twin - creates a virtual replica of buildings, construction sites, and even entire cities for easy management and visualisation



Varadise DWSS can be integrated with Varadise Twin to help project teams visualise works documents on the site's 4D model