

Twinsights: A Digital Twin Data and Insights Platform

Implementation Partner: Digile

ABOUT PARTNER

Digile is a digital technology consulting company powering the next generation of digital solutions.

Headquartered in Singapore and with a strong presence in ASEAN and North America, they are at the cusp of innovation where the physical meets digital to deliver 'Phygital' solutions for their customers.

Their vision is to empower businesses to embrace the full potential of digital technology, by providing end-to-end digital services that enable them to innovate, optimize operations, and create value for their customers.

They strive to be a trusted partner for their clients, offering purpose-built solutions that drive sustainable growth, increase efficiency, and enhance the competitive advantage in an ever-evolving digital landscape.



Industry:
IT Services & Consulting



Firm Size:
501-1,000 employee



Country:
Singapore, Malaysia, Thailand, India, Philippines, USA, and Canada



Development time reduced by 50%



Standardized development practices



Customizable, extensible functionality

CHALLENGES

- Lengthy software development cycle
- Difficulty in managing standardization of development items such as forms and listings
- Limited reusability of code
- System deployment involved more technical intricacies and complexity

SOLUTION

Digital Twin Data & Insights Platform – TwinSights

Enhancing client's ability to gather data from multiple sources and automate processes, visualization and insights



Twinsights, a digital twin platform built by Digile, offers a comprehensive suite of functionalities aimed at seamlessly connecting, consolidating, and strategically managing projects and assets. Joget, as the low-code platform, was one of the key components used in the solution.

By harnessing the power of advanced technologies such as digital twins, Internet of Things (IoT), artificial intelligence (AI), and mobility, Twinsights empowers users with an intelligent and holistic approach to gaining valuable insights. This allows businesses to run smoother and faster without compromising on efficiency and sustainability. The inclusion of IoT and AI further enhances the platform's capabilities, enabling data-driven decision-making and predictive analytics.

A digital hub has been implemented for managing multiple projects and asset operation sites, providing easy access and user access control, on web and mobile. The system offers executive-level project insights, instant progress tracking, timely alerts, and eliminates manual reporting. With customized report templates, contractors and consultants are connected for consistent information sharing. The platform integrates BIM, GIS, drone survey data, and aerial photos, enabling Gantt chart viewing and construction data display. Operational insights include project and asset-specific details such as progress, risk, HSET, quality, contract, document, routine maintenance, periodic maintenance, and emergency work. A customized dashboard provides a comprehensive overview.

RESULTS

- ✓ Able to accelerate software development and reduce development time by 50%
- ✓ Able to standardize development practices through the application of frameworks
- ✓ Able to enhance development efficiency by promoting code reuse
- ✓ Able to customize and extend functionality using Joget's plugin architecture