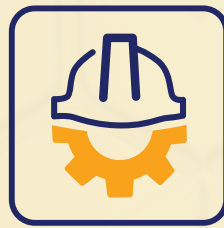


META VENUES *Asia*



CONSTRUCTION PLANNING

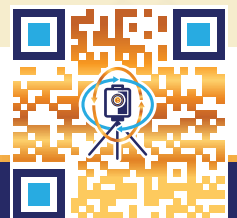
Monitoring, Operations and Maintenance

The Fourth Industrial Revolution, described by World Economic Forum, is gaining speed. The digitization and automation of industrial and manufacturing practices using smart technology, artificial intelligence, the Internet of Things, and virtual and augmented reality is blurring the boundaries between the digital and physical worlds and going PYGITAL.



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Supporting Collaboration and Accountability

- Users can navigate in 3D, zoom in on even the tiniest details, and extract precise measurements. Using 3D tours avoid time lost traveling to a physical location
- Scans at different building stages create a digital history to identify where the HVAC duct and electrical conduit are located and where they're feeding - the digital twins document items behind walls and ceilings to evaluate critical site conditions such as egress pathways
- Access training materials, installation and user manuals, and historical information that is often stored in disparate, siloed platforms
- Get an up-to-date view with customers of their inventories to confirm property conditions
- Address any challenges that have been revealed virtually
- Captures a final scan at the end of projects: It's valuable for the punch list, aiding our communications with the customer, for example, about whether there was a ding in the wall at the time of handover. The digital twin provides that single source of credibility to help both sides navigate project completion
- And easily toggle between digital twins and sites to examine aspects of bigger issues that impact multiple locations. As a result, team members can resolve questions together quickly and address them collaboratively via web conference
- Use POI or TAGs to detail key features in the construction of a building and its systems, linking to helpful information and procedures to maintain the facility, as part of digital twin-enhanced Operations and Maintenance (O&M) manuals it hands over to clients like Columbus, Ohio-based State Auto Automobile Insurance Companies

SURVEY» DIGITAL TWIN DECREASE COST

A digital Twin acts as an enabler to critical building intelligence and connect different solutions for individual requirements in the best possible way.

reduce

time needed to create building layouts without compromising the ongoing functionality of the property

80 %

Decrease
cost of site surveying and as-built modeling

An intelligently integrated 3D scheme can contain everything and provide your team with an efficient tool for staff training, supplier information, fire service optimisation and much more.

- floor plans
- Eating capacity calculations
- ENEV (Energy Saving Ordinance)
- Schematic plans as well as
- Circuit diagrams for electrical installations
- Escape and management plans
- Cleaning procedures
- Waste collection
- Route planning

Advanced Features that Accelerate Progress

The Measurement Mode tool allows the team to double-check dimensions on the fly and take screenshots to augment the documentation. It's been invaluable for our American Disability Act (ADA) accessibility improvement projects, such as when you have to check the height of desks and countertops for compliance.

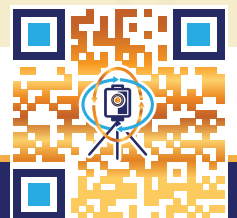
Use the Notes tool to streamline collaboration. Chat back and forth within the digital twin as we discuss different design features or ideas, helping your teams develop better solutions more quickly.

Using the MatterPak Bundle, team members can download colorized point cloud and 3D mesh files to help with the design process. Then, integrate furniture layouts within the digital twins to accelerate planning.



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BIM - building information modeling

The solution directly links the point cloud data from MatterPaks and the Revit platform, transforming captured spatial data into.RVT files. This saves Meta Venues customers the laborious work of tracing over millions of data points and performing time-consuming 3D modeling workflows to generate the BIM models needed for measuring and documenting on-site conditions for a project.

The level of development (LOD) in Matterport BIM Files meets a LOD 200 specification for structural and architectural elements, with add-ons available for mechanical, electrical, and plumbing (MEP) and/or Furniture.



Digital Twins to Achieve
25% to 30%
Time and Cost Savings



Connect Your **Facility with Virtual Plant Platform**

