

AI-enabled Precision 3D Mapping for Enhanced Space Utilization and Management

Step into the future of building management with VirBrix AI-Driven digital twin robotics platform



Welcome to a new era of property management and design innovation with VirBrix, powered by GlobalDWS. Whether you are planning a renovation or grappling with outdated floorplans, our advanced mobile robot is here to streamline the process. By generating accurate 3D models and virtual tours swiftly, VirBrix transforms how spaces are managed.

Leverage the power of real-time visualizations that not only provide a detailed look at your current space configuration but also integrate seamlessly with your Building Management Systems (BMS), Building Information Modeling (BIM), Asset Management, Internet of Things (IoT), and Enterprise Resource Planning (ERP) systems. Our solution is crafted to meet the diverse needs of all stakeholders, ensuring that every aspect of your facility management is enhanced for peak efficiency and

Reduce costs by **10-30%**
through improved space utilization

Source: JLL, Optimizing Office Space for Maximum Returns (a-surprising-way-to-cut-real-estate-costs)



Why VirBrix?



Fast and Efficient:

Generate detailed 3D scans of your workspace quickly and autonomously, minimizing disruption to your operations.



Integrated Technology:

Our solutions integrate directly with your existing BMS, BIM, and ERP systems, enhancing data accessibility and usability.



Scalable Solutions:

From small offices to large industrial complexes, our technology scales to meet your needs without the need for extensive capital investment.

Contact us today to schedule a virtual demo!



Targeted Use Cases:



Human Resources:

Streamline onboarding processes by using VirBrix to create digital twins of office layouts, helping new employees navigate complex facilities. Enhance workplace satisfaction by optimizing the office environment based on usage patterns and feedback.



Facility Management:

Maintain up-to-date records of floor plans and asset locations, manage space efficiently, and improve maintenance response times with real-time updates and notifications.



Engineering Professional Services:

Offer precise and rapid 3D mapping services for construction and renovation projects, reducing manual surveying costs and improving project timelines.

Key Features:



AI-Powered Autonomous Scanning:

Robots autonomously scan the environment, intelligently navigating obstacles and optimizing routes.



Real-Time Data Visualization:

Instant access to critical data points like space utilization and indoor air quality, presented in an intuitive 3D navigable format.



Efficient Integration:

Seamlessly connect with BIM systems for continuous facility management without significant overhead costs.

Benefits of VirBrix Indoor Mapping:



Operational Efficiency:

Optimize the layout and usage of your space, reduce costs, and improve operational efficiency.



Enhanced Decision Making:

Leverage detailed analytics and simulations for better strategic planning and management.

Package Options:

	Proof of Concept/Trial	Initial Deployment	Custom Mapping
On-site data collection	1-2 days	5-7 days	<ul style="list-style-type: none"> Asset Tracking Before / After Renovations
Approx Space (sq ft)	5,000 – 50,000	5,000 – 100,000	5,000 – 100,000
Doll-House + Virtual Tour video	Yes	Yes	Yes
Professional Services support	2 hours	2 days	1-2 hours / day
Point Cloud Image File (downloadable OBJ or FBX)	Yes	Yes	Yes

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virbrix@globaldws.com



+1 416-551-5479



www.globaldws.com/virbrix