Optimize your projects with
Burns & McDonnell + Matterport

Learn how our solution can improve documentation, collaboration and efficiency.

Together, Matterport and Burns & McDonnell offer a digital documentation solution that enables critical infrastructure businesses to optimize efficiency. From facilities expansions to routine operations and maintenance, Matterport digital twins help Burns & McDonnell clients transform the way they approach projects.

These digital representations of the physical world improve documentation and collaboration, both during the retrofit / renovation process and after.

Improved Documentation

- Access 3D models with 4K imagery and depth data instead of sifting through photos.
- Easily share project design plans and updates in real time.
- Accurately record facilities' dimensions without having to manually measure.
- Digitally document equipment maintenance and updates, and provide visibility across wider teams.

Enhanced Collaboration

- Allow distributed teams to see project plans and progress digitally, enabling faster feedback.
- Reduce costs and improve safety by minimizing on-site visits, replaced by digital collaboration.
- Have real-time conversations with collaborators using Notes feature.
- Annotate, measure and export depth data as a point cloud or 3D mesh file or generate a BIM file to use within Revit.
- Leverage your 3D data for 2D drawing generation, geospatial data entry and more.

Increased Efficiency

- Substantially reduce project design time and increase feedback and approval speed.

- Catch costly errors early, helping to keep projects on time and on budget.

- Digitally train wider teams and new hires on facility operations with fewer business operations.

How to Get Started

- Connect with us to develop a capture strategy.

- We will train your team to document your space - or we'll safely do it for you using our industry expertise and security clearances.

- Matterport's software will automatically combine spatial data and visual imagery to create dimensionally-accurate digital twins.

- We'll initially host your digital twins and provide access to the Matterport platform, and can facilitate a seamless transition to your own Matterport account.

Learn more at:
https://go.matterport.com/Burns-and-McDonnell

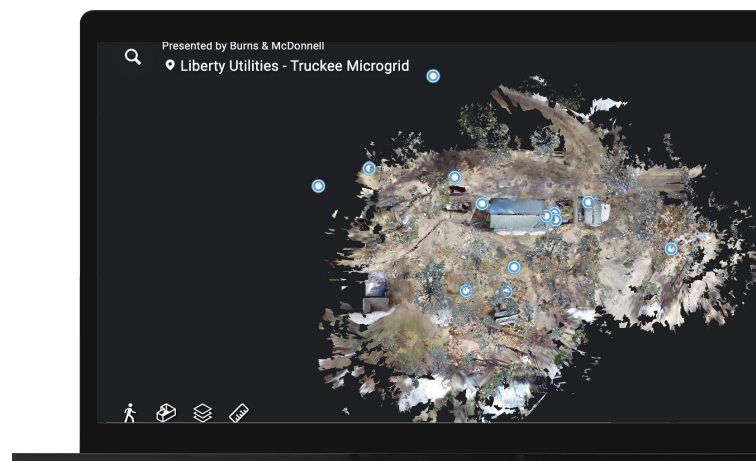## With your own Matterport Account, you can:

- Maintain lifetime access to your Digital Twins and use them for updating projects, keeping maintenance records, training new team members and more.

- Take advantage of continued cross-functional collaboration across project teams.

- Expand the use of Digital Twins to optimize efficiency in other departments, with continued support from Burns & McDonnell.

- Leverage your Digital Twins as digital archives of physical spaces, enabling better knowledge retention & employee training.

Real World Solutions

Liberty Utilities needed a microgrid installed in 2020, but pandemic regulations meant subcontractors couldn't walk through the project site for bidding. Matterport's Digital Twin allowed for a virtual walk-through, so detailed bids could be provided without delay.

After the bid process, the 3D model helped the large number of third-party stakeholders collaborate digitally. Without this technology, the microgrid could have been delayed up to a year.

Presented by Burns & McDonnell
Liberty Utilities - Truckee Microgrid

75%

Of project issues related to a physical space resolved remotely by referencing Matterport scan.

30%

Up to 30% reduction in time to complete design process.

50%

Overall reduction in physical space visits. Reducing need for in-person inspections and visits, travel, and related costs.