



Digital Twin Imaging Capability Statement

ABOUT US

Digital Twin Imaging (DTI), a division of Metaverse Imaging Inc., specializes in scanning, mapping, and maintaining precise spatial and building information data to optimize asset management. Our services include:

3D Imaging: Providing detailed and realistic building representations

Spatial Data Management: Ensuring accurate and efficient data handling

Development Services: Supporting the standardization and classification of spatial data for streamlined building operations.

TECHNOLOGY WE USE

Matterport Pro3 Scanners

Autodesk REVIT

DJI Matrice 300 RTK

with P1 mapping camera

ESRI ArcGIS Reality Suite

Leica BLK 360 Scanner

Leica BLK 2FLY LiDAR Drone

SERVICE + TECHNICAL CAPABILITES

- Guidance during design reviews
- Drawing/data retrieval
- Training on building measurement
- Updating policy documents
- Attending meetings with counterparts
- Providing 3D imaging service
- Flexibility to achieve deliverables

CORE COMPETENCIES

- Using LiDAR and 3-dimensional models to create a 4D model
- Maintaining 4D model as a complete unified index of pertinent school data Integrating 4D with other technologies
- Significantly reducing the time to resolving an emergency situation
- Precision execution in scanning public buildings
- Historical documentation and restoration
- Facility condition documentation and asset management Construction, as-built development, geo-location and geo-referencing BIM development

KEY DIFFERENTIATORS

- DTI is an umbrella index that consolidates all safety, maintenance and other technologies into one index, easily accessible from the DTI app
- Lasar scanning (LiDAR) programmetry
- Videogrammetry, video-capture point cloud mapping

BOOK DEMO





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NAICS CODES

- 541370 – Surveying and Mapping Services
- 541990 – Professional, Scientific, Technical Services
- 511370 – Geospatial mapping services
- 541519 – Software installation services, computer
- 541611 – Strategic planning consulting services

CAGE CODE

9PRP3

UEI:

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SOLUTION

SkyView Asset:

Enhances building views with drone-captured aerial insights and detailed 2D floorplans for improved construction monitoring.

SOLUTION

Physical Space Capture:

Creates accurate digital replicas of spaces using Infrared/LiDAR scanning, combined with 360° photography to give an immersive feeling.

SOLUTION

Future Planning + Design:

Enables efficient virtual planning and collaboration for building projects and renovations by conversion to BIM files.

SOLUTION

Staff Orientation and Recruitment:

Improves recruitment and orientation with engaging and informative 3D models of new environments.

PAST PERFORMANCE

- Dickinson County Courthouse (Iowa)
- Augustana University Midco Arena (South Dakota)
- Okoboji Community School District, 3 Schools (Iowa)
- Spirit Lake Community School District, 3 Schools (Iowa)
- Aberdeen Public School District, 9 Schools (South Dakota)
- Aberdeen Roncalli School District, 3 Schools (South Dakota)
- Harris-Lake Park Community School District, 2 Schools (Iowa)
- Bishop O’Gorman School System, 8 Schools (South Dakota)