

DIGITAL TWIN IMAGING

DTI

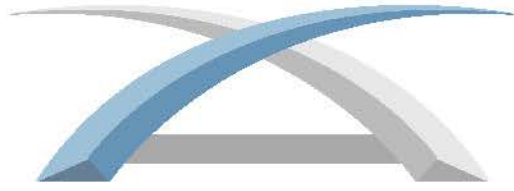
4D Technology Model

Presentation for

Utah School Security Task Force



August 19th, 2024



DIGITAL TWIN IMAGING

“SECONDS SAVE LIVES”

- Todd Schillinger

(NW Iowa, SW Minnesota SWAT Commander)



DIGITAL TWIN IMAGING



www.dtisim.com

*Metaverse 4-dimensional technology
hardens school safety profile, speeding
response times up to 90%!*

Digital Twin Imaging (DTI)

- Saves Time & Lives in an Emergency
- Reduces time from 911 call to resolution
- Tested by First Responders & Swat Teams
- Trains first responders and SRO
- Spatial, digital assets protect public
- Unites school administrators, first responders, and community in school safety mission



DTI 3D Mapping Brief



*See DTI Bridging Your Real & Virtual Worlds
Demo*



Or schedule demo to learn how DTI Saves Lives
206-718-8121 • scott.walker@dtisim.com



2024 Digital Twin Imaging • Sioux Falls, South Dakota USA
<https://www.digitaltwinimaging.com>
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Capability Statement

About Us

At DTI our mission is to safeguard schools & public spaces by enhancing the capabilities of those on the front lines of emergency response. DTI 4D life-saving technology allows First Responders to dramatically reduce the time from a 911 call to resolution, saving children's and teachers' lives in an emergency. DTI prepares and delivers situational awareness for public safety personnel and the communities they serve.

What We Provide

DTI creates, maintains, and integrates 4D models that revolutionize the approach to public safety, reducing response times by up to 15X based on randomized SWAT Team trials. We integrate advanced technology with strategic safety measures to deliver tested solutions to enhance protection and readiness of soft targets like schools, churches, and industrial facilities.

Our Solutions

SkyView Asset: Enhances emergency response with drone-captured aerial insights and detailed 2D floorplans for improved situational awareness.

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

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

Staff Orientation and Recruitment: Improves recruitment and orientation with engaging and informative 3D models of new environments.



Protecting schools and public places with SWAT-team tested 4D life-saving technology that reduces the time from a 911 emergency call to resolution by 15X.

Founded by Dr. Maria Bell, award-winning Robotics Surgeon with a proven record of medical innovation and strategic leadership.

After seeing the Robb School Shooting in Uvalde, she pivoted her medical metaverse company to create Digital Twin Imaging to assist first responders quickly and safely get to the people who need them most.

NAICS Codes:

- 541370 – Surveying and Mapping Services
- 511370 – Geospatial mapping services
- 541519 – Software installation services, computer
- 541611 – Strategic planning consulting services
- 541850 – Advertising services, indoor or outdoor display
- 541820 – Public relations agencies



DTI 4D Life-Saving Technology



“Delivering Situational Awareness and Digital Intelligence for First Responders”

Digital Twin Imaging is a 4-dimensional technology that saves lives by dramatically reducing the time from a 911 call to resolution. DTI provides first responders with essential, 3-D models, critical data and vital resources, enabling them to execute their emergency responses with the highest level of efficiency and effectiveness. This advanced technology significantly boosts operational performance, up to 15x based on randomized trials by SWAT Teams of Northwest Iowa and Southwest Minnesota. As a direct result, this reduction in response times has played a crucial role in preserving human lives, underscoring the indispensable value of this technology in emergency situations."



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 schools



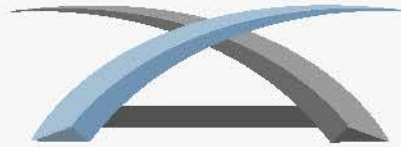
Key Differentiators

- ✓ DTI is an umbrella index that consolidates all safety, maintenance and other technologies into one index, easily accessible from the DTI app.
- ✓ DTI reduces First Responder response times by up to 15X
SWAT team-tested in randomized trials that expedites response.
- ✓ DTI creates, maintains, and integrates 4D modules as a teaching tool for First Responders to prepare prior to an incident.

Clientele Base



- ✓ Okoboji High School
- ✓ Harrisburg School District (5 schools)
- ✓ Spirit Lake Community Schools
- ✓ Aberdeen Schools
- ✓ Harris-Lake Park Elementary



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 PI mapping camera

ESRI ArcGIS Reality Suite

Leica BLK 360 Scanner

Leica BLK 2FLY LiDAR Drone

SERVICE + TECHNICAL CAPABILITIES

- 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
- Laser scanning (LiDAR) programmetry
- Videogrammetry, video-capture point cloud mapping

BOOK DEMO





Digital Twin Imaging Capability Statement

NAICS CODES

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- 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)