U.S. OFF THE SHELF 3D MODELS

RECENT 3D MODELS

SAN DIEGO

HUDSON YARD

BROOKLYN

MANHATTAN

LEARN MORE ABOUT OUR OTHER MODELS

3D MODELS
ARE ONE CLICK AWAY!

Experience our range of solutions.

Aerometrex's 3D solutions provide access to reality mesh models and a range of derived information that adds three-dimensional context to projects, aids scenario visualisation, and offers a comprehensive 3D base dataset for monitoring change.

While Aerometrex specializes in the delivery of custom-built 3D projects to meet a range of enterprise requirements, we also offer a series of city mesh models that can be purchased off-the-shelf. These 3D models offer resolutions ranging from 2 - 5cm GSD and outputs are offered in most 3D formats suitable for use in GIS, and other 3D applications.

Models can be purchased as complete datasets, or a selected area of interest, and are generated using our unique capture and processing techniques, via helicopter. Additionally, project-based 3D work can be executed to offer street-level captures for high focus areas.

Aerometrex 3D models are being used by customers across various industries delivering a broad range of benefits.

Driving productivity with 3D insights
3D modeling, in conjunction with various planning tools as well as artificial intelligence and machine learning can reduce project duration and bring down costs drastically, without any compromise on quality or accuracy. Teams can analyze potential limitations to proposed concepts and keep track of the various phases of their project.

Building intelligence through 3D feature extraction
Urban designers, network planners, etc. can use 3D modeling and surrounding landscape details to improve the understanding of their assets in relation to a specific area. 3D models have become the building block that cities, towns and governments rely on for digital twins and smart city planning.

Simplifying information dissemination with 3D visualization
3D visualization can be used to communicate complex information through interactive and intuitive 3D software. It is also an ideal tool to digitize and conserve heritage sites or drive tourism through virtual and augmented reality.

The Power of Aerometrex
Aerometrex has over 40 years of experience in the geospatial technology industry. With global expertise in 3D modeling, the business has been recognized for its work across multiple continents.

Our 3D data gives you access to high-resolution 3D models that provide context to your projects, help develop and visualize scenarios as well as offer a comprehensive 3D base dataset for change monitoring.

The global Aerometrex team has expanded to 100+ with industry experts in aerial capture, flight planning, photogrammetry, 3D modeling, LiDAR processing, customer support and R&D.

Major Applications of 3D Models
- Smart city planning and digital twins
- Asset planning and monitoring
- Change management & analysis
- 3D visualization and consultation
- Real-world simulation for virtual / augmented reality
- Historical archiving of buildings or town areas.

Our 3D Solutions
- 3D Reality Mesh Models
- 3D LOD Models
- 3D Visualization
- AI-Driven 3D Data

Key Industries we serve
- Architecture, engineering, and construction
- Urban planning and smart cities
- Property and real estate
- Telecommunications
- Insurance
- Media, entertainment, and events
- Environmental management
- Mining

DENVER

2CM MODEL

Resolution: 2 cm (0.8 inch) GSD

Area: 3.4 sq km (1.3 sq miles / 840 acres)

Absolute Accuracy (XYZ): 5 cm (2 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 13N

LEARN MORE
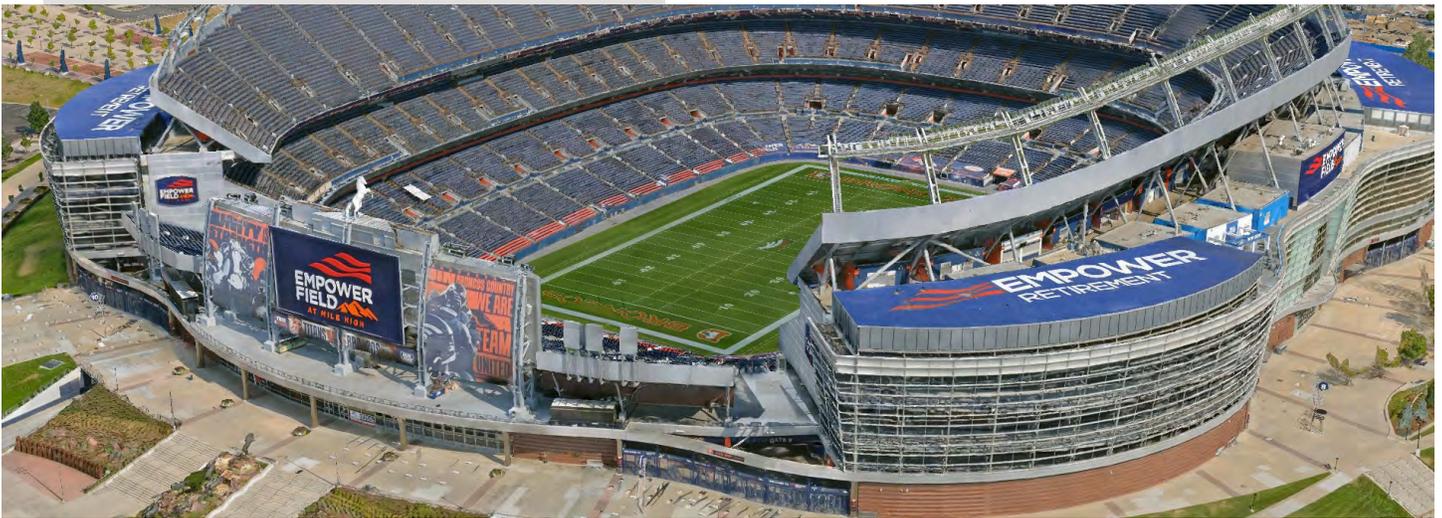

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

DENVER
5CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 19.5 sq km (7.5 sq miles / 4,820 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

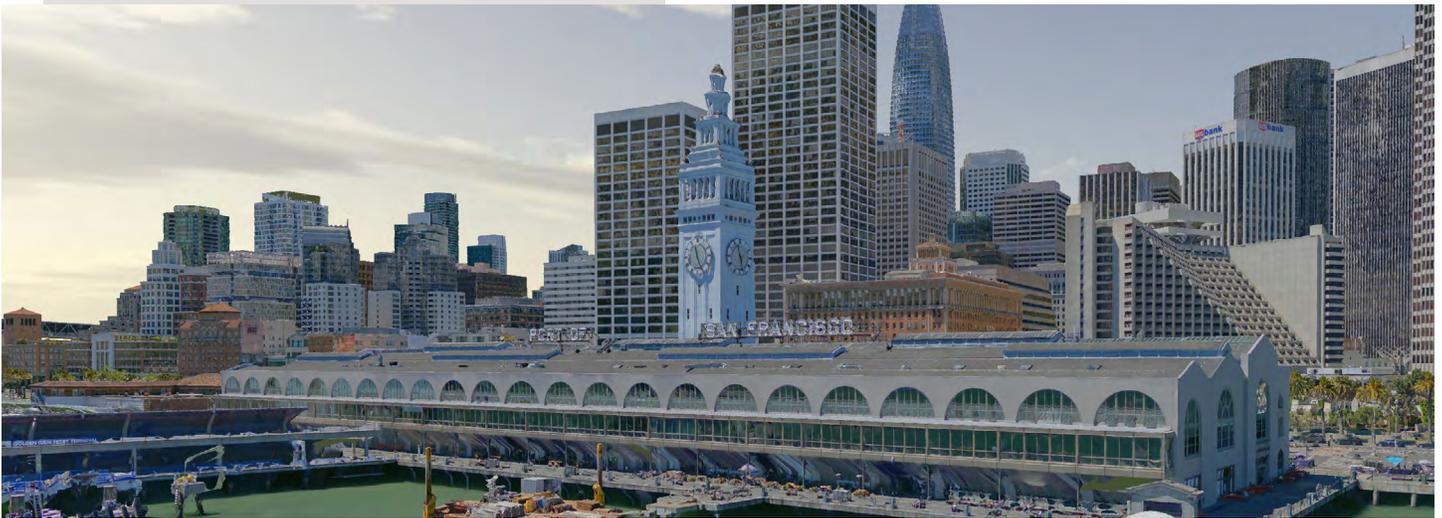**Projections:** UTM ZONE 13N

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Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

SAN FRANCISCO

2CM MODEL

Resolution: 2 cm (0.8 inch) GSD

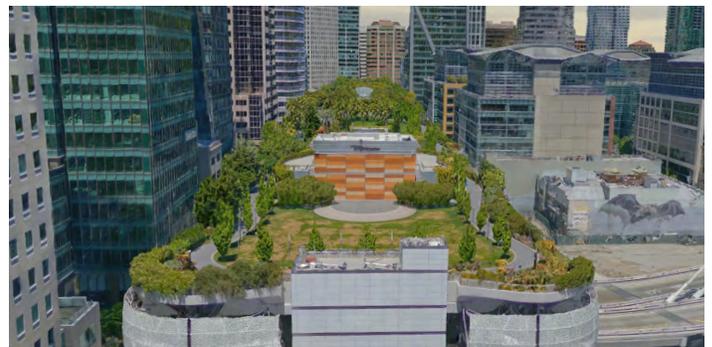**Area:** 5.2 sq km (2 sq miles / 1,285 acres)

Absolute Accuracy (XYZ): 5 cm (2 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 10N

LEARN MORE

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

SAN FRANCISCO

5CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 19.1 sq km (7.4 sq miles / 4,720 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 10N

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

LEARN MORE

MIAMI

2CM MODEL

Resolution: 2 cm (0.8 inch) GSD

Area: 9.1 sq km (3.5 sq miles / 2,250 acres)

Absolute Accuracy (XYZ): 5 cm (2 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 17N

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

LEARN MORE

LOS ANGELES

5CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 24.4 sq km (9.4 sq miles / 6,018 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 11N

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

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TAMPA

5CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 3.0 sq km (1.2 sq miles / 740 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 17N

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

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BROOKLYN

5CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 10.2 sq km (3.9 sq miles / 2,520 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 18N

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

LEARN MORE

LAS VEGAS
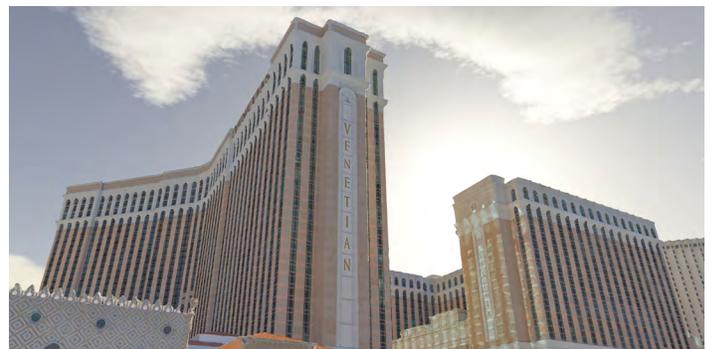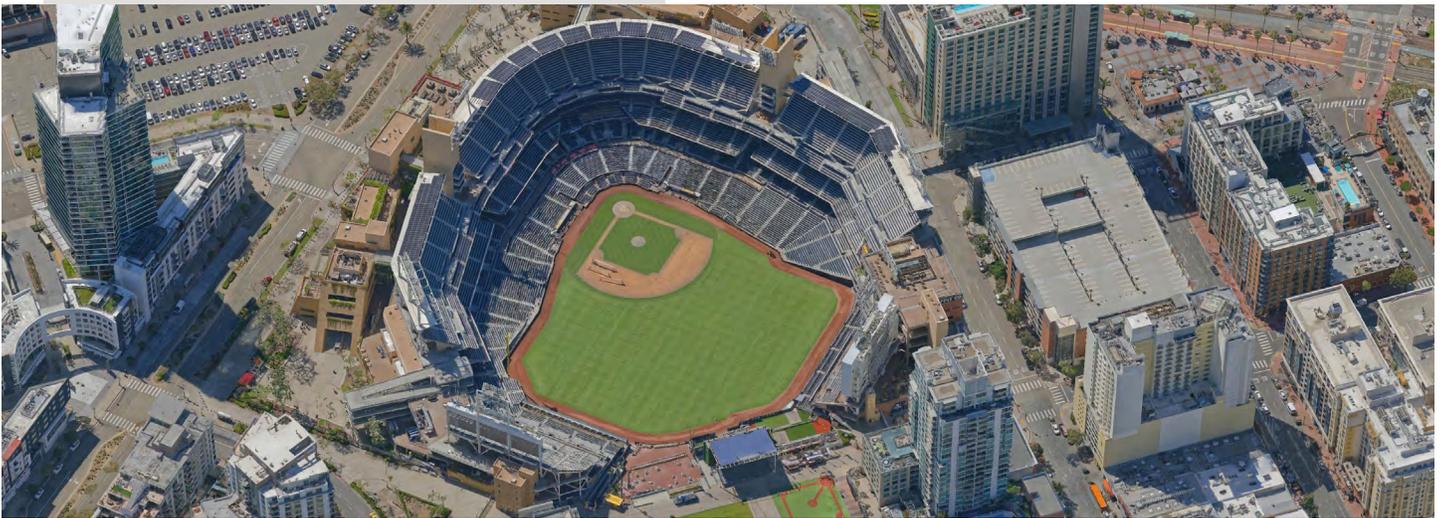
5CM + 2CM + STREET LEVEL MODEL

Resolution: 2 cm (0.8 inch) + 5 cm (2 inch) GSD

Area: 7.5 sq km (2 sq miles / 1,285 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 11N

LEARN MORE

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

SAN DIEGO

2CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 5.5 sq km (7.4 sq miles / 4,720 acres)

Absolute Accuracy (XYZ): 5 cm (2 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 11N

LEARN MORE

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

HUDSON YARD

5CM MODEL

Resolution: 5 cm (2 inch) GSD

Area: 1.6 sq km (7.4 sq miles / 4,720 acres)

Absolute Accuracy (XYZ): 10 cm (3.9 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAVD88

Projections: UTM ZONE 18N
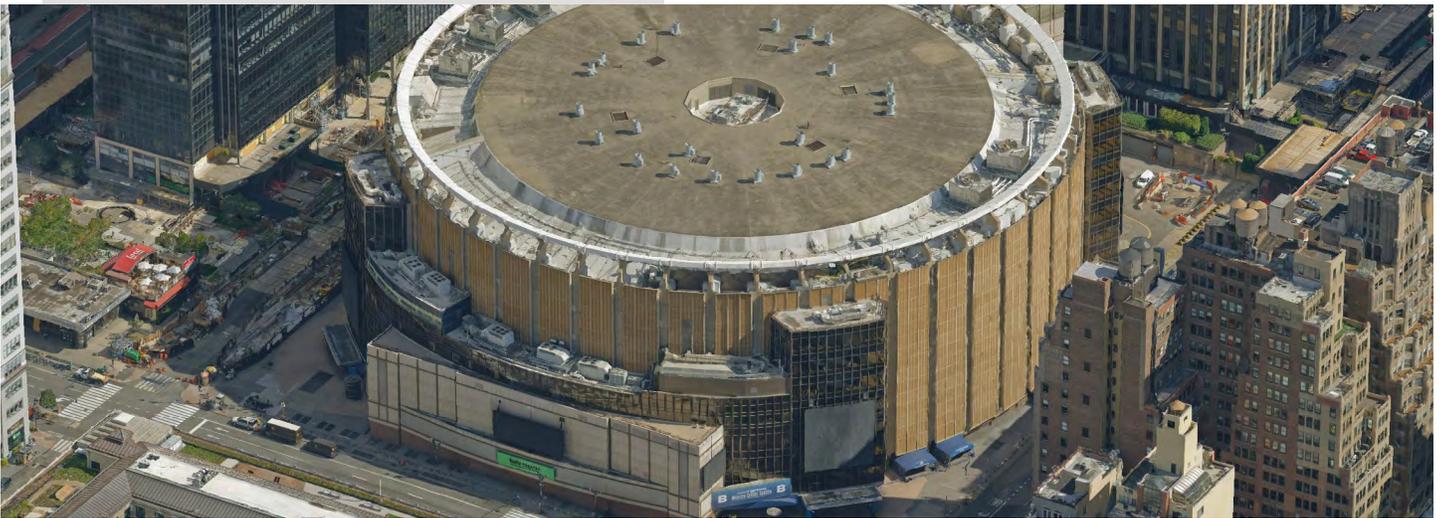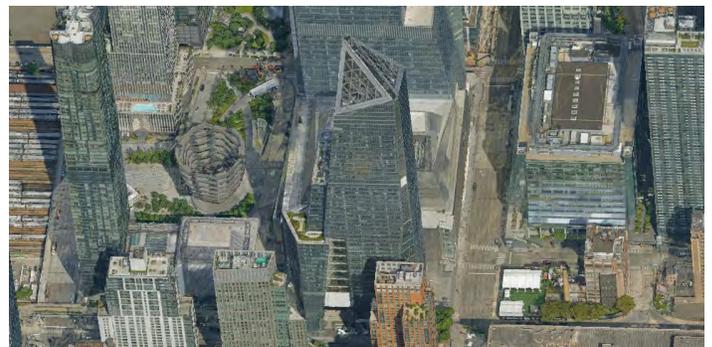

Click image to view the 3D fly through video.

Click image to view the interactive 3D model.

LEARN MORE

MANHATTAN LES

2CM MODEL

Resolution: 2 cm (0.8 inch) GSD

Area: 5.4 sq km (2.1 sq miles / 1,330 acres)

Absolute Accuracy (XYZ): 5 cm (2 inches) RMSE

Geodetic Datum: Horizontal NAD83 / Vertical NAV D88

Projections: UTM ZONE 18N

LEARN MORE

Click image to view the 3D fly through video.

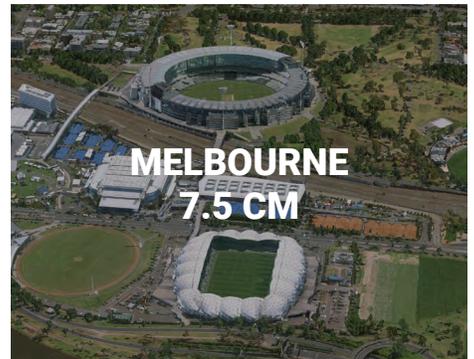*Click image to view the interactive 3D model.*

AUSTRALIA & NEW ZEALAND
OFF THE SHELF 3D MODELS

AUSTRALIA

Sunshine Coast

Brisbane

Gold Coast

Perth

Sydney

Adelaide

Canberra

Melbourne

NEW ZEALAND

Auckland

Wellington

Christchurch

ADELAIDE
2 CM

ADELAIDE
7.5 CM

BRISBANE
2 CM

BRISBANE
7.5 CM

CANBERRA
6 CM

GOLD COAST
2 CM

GOLD COAST
7.5 CM

MELBOURNE
2 CM

MELBOURNE
7.5 CM

PERTH
7.5 CM

SUNSHINE COAST
7.5 CM

SYDNEY
7.5 CM

AUCKLAND
5 CM

CHRISTCHURCH
5 CM

WELLINGTON
5 CM