

# OUR PRODUCTS

HIGH RESOLUTION 3D REALITY MESH

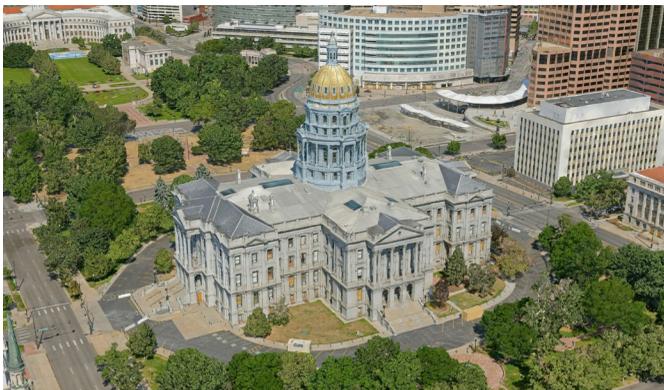


Massive multi-scale photogrammetry models are our core product. We've developed a sophisticated 3D city modeling and mapping system derived from oblique aerial photographs. Since development began in 2015, our 3D products are globally recognized for their visual quality and spatial accuracy.



## 5 CM RESOLUTION – DETAIL AND SCALE COMBINED

- Ideal viewing distance: Wide
- Capture method: Helicopter
- Resolution: 5 cm (2 in) GSD
- Typical area: From 10–50 km<sup>2</sup>
- Absolute accuracy (XYZ): 10 cm (3.9 in) RMSE



## 2 CM RESOLUTION – HIGHEST AERIAL RESOLUTION

- Ideal viewing distance: Close
- Capture method: Helicopter
- Resolution: 2 cm (0.8 in) GSD
- Typical area: From 2–10 km<sup>2</sup>
- Absolute accuracy (XYZ): 5 cm (2 in) RMSE



## STREET-LEVEL – ULTIMATE VISUAL QUALITY

- Ideal viewing distance: Ground
- Capture method: Terrestrial photography
- Resolution: Sub-cm GSD
- Typical area: Up to 5 km<sup>2</sup> depending on building facades
- Absolute accuracy (XYZ): ~1 cm (0.5 in) RMSE

Trusted By:



# OUR COMPANY

WORLD LEADERS IN 3D

## WORKING WITH AEROMETREX

Aerometrex delivers spatial tech solutions to a range of customers across the world including local, state and federal government, to tier one large organisations, as well as a range of small and medium businesses.

Aerometrex remains at the forefront of spatial technology advances across 3D spatial solutions. The company's objective is to help build business solutions using the highest quality data at an optimal cost.

## USE CASES

- Digital twins & smart city planning
- Planning & monitoring transport & infrastructure projects
- 3D context to critical engineering & construction projects
- Media, gaming, & advanced visualization
- Coastal erosion & flood mapping
- Heritage conservation through 3D digitization
- 5G network deployment planning & optimization



“To be perfectly honest, Aerometrex is the highest quality, highest resolution 3D data that we’ve seen so far available to us. That quality is important for the American market, where projects within the built environment are starting in 3D. These Aerometrex representative environments with a tolerance of two to five centimetres are pretty spectacular.”

**Mark Kauffman**, WSP USA Technical Lead of the Visualization and Data Intelligence Group

### US Office

+1 (303) 502-5290  
info@aerometrex.com  
www.aerometrex.com

### AU Office

+61 8 8362 9911  
info@aerometrex.com.au  
www.aerometrex.com.au