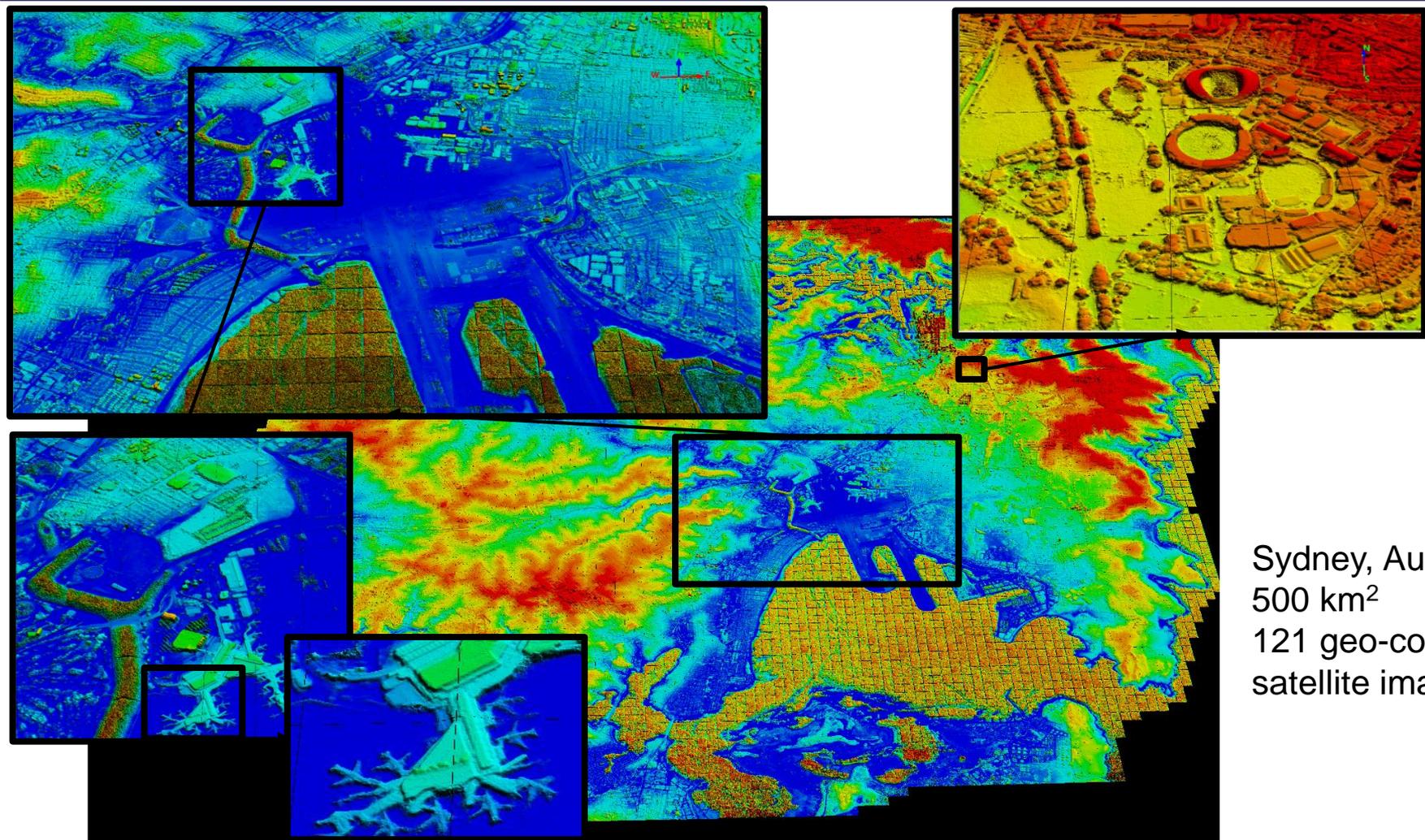


- **Research-Focused Small Business in Providence, RI**
  - **Emphasis on 3-D Reconstruction and Modeling**
- **We serve DoD and IC customers: IARPA, DARPA, NGA, AFRL, ONR**
- **Academic Roots: Joe Mundy (President)**

# 1-meter resolution DEM from satellite imagery



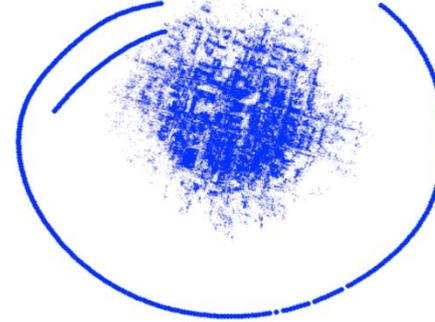
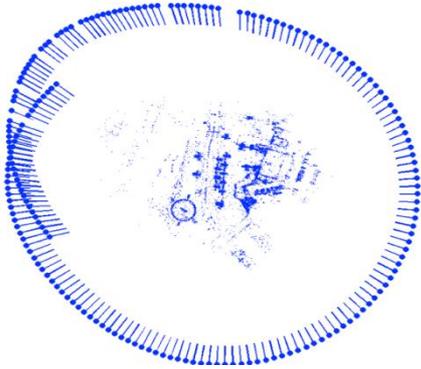
Sydney, Australia  
500 km<sup>2</sup>  
121 geo-corrected  
satellite images

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# Camera Model Registration and Correction



## AERIAL



Fast + Accurate + Robust Structure from Motion

## SATELLITE

**OpenStreetMap (OSM) road projections onto a Quickbird image over India**



Image © DigitalGlobe, Inc.

projected using  standard camera model

projection using  corrected camera model

**OSM building projections onto WorldView2 images over Jordan**

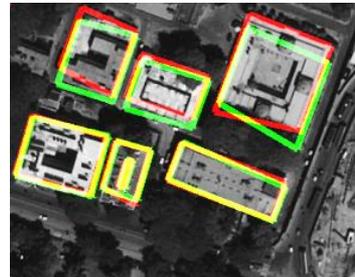


Image © DigitalGlobe, Inc.



Image © DigitalGlobe, Inc.

**OSM road projections onto WorldView2 images over Jordan**



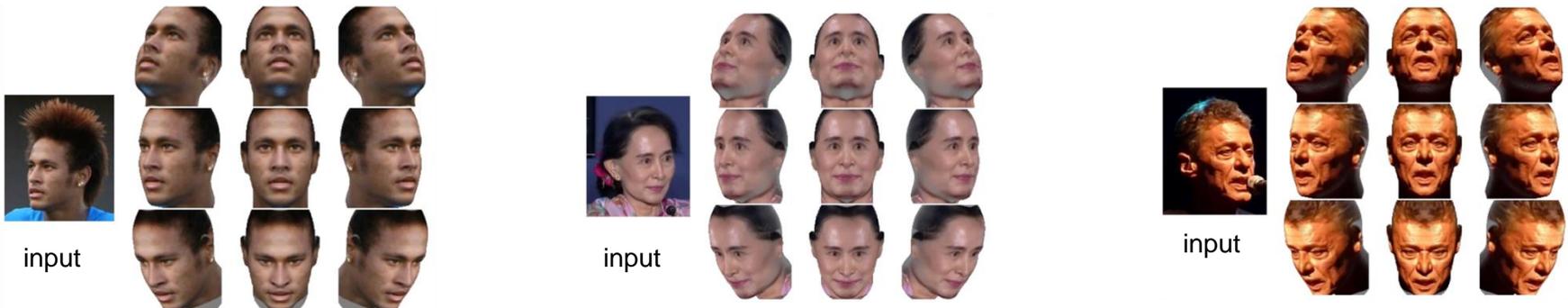
Image © DigitalGlobe, Inc.



Image © DigitalGlobe, Inc.

# 3-d Reconstruction with Strong Shape Priors

## 3-d Facial Shape reconstruction from low quality images



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