

Update Event and nearmap Solar

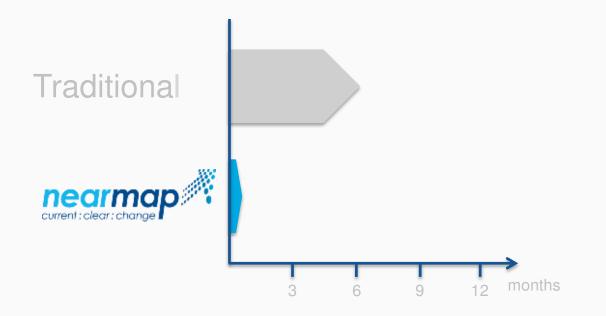
Paul Peterson Senior VP Product & Engineering



- Current
 - What's on the ground now
- Clear
 - Unrivalled clarity
- Change
 - Monitor change over time



Imagery in days







High resolution

























 Accurate digital measurements reduce site visits





- High resolution enables
 - close inspection
 - accurate digital measurements
- Combined with currency
 - Reliable decisions



 Track changes over time with nearmap's Timeline





 Visually analyse the impact of environmental events























Views

- Orthogonal, oblique, terrain and roadmap
- Integrated street view
- Overlay street maps and property boundaries









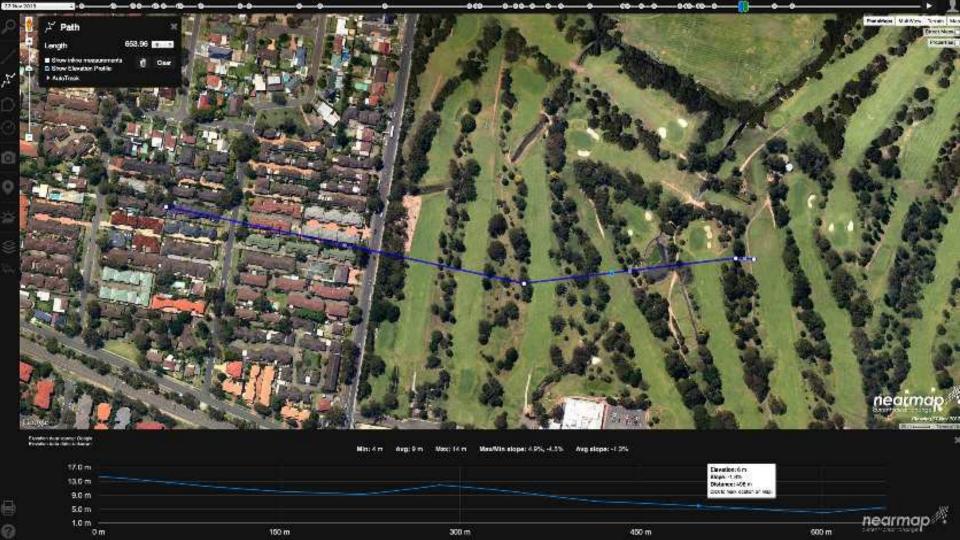


Measurement Tools

- Line, Path & Area
 - Elevation Profile
 - AutoTrack
- Radius





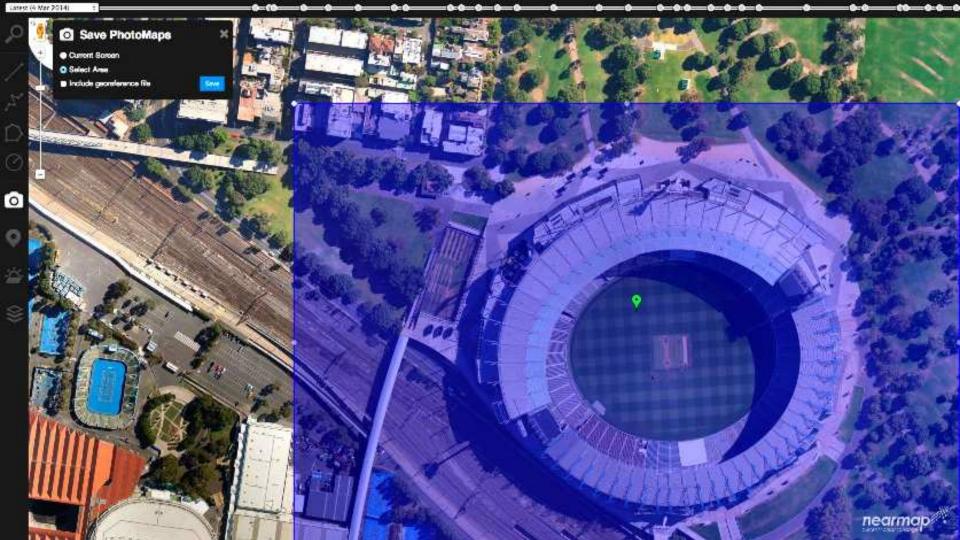




Save Image

- Save screen view
- Save region
 - High Resolution
 - Georeferenced

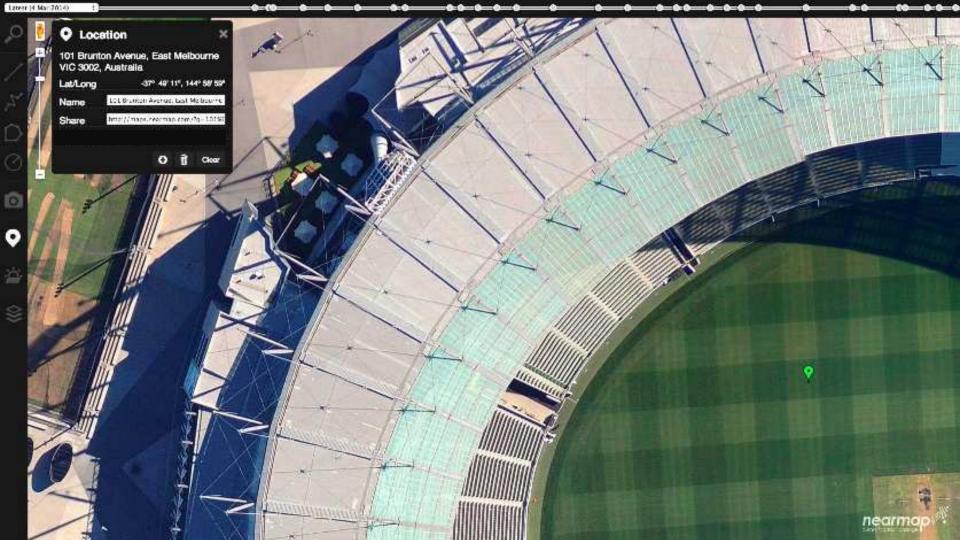




Location Information

- Reverse address lookup
- Lat/Long
- Share link

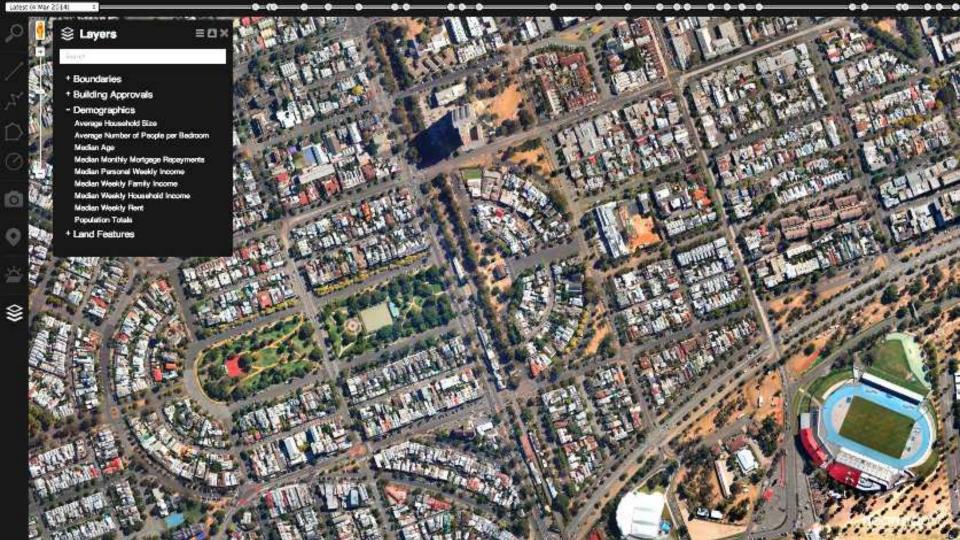




Information Overlays

Overlay ABS and other publicly available datasets









Coverage

 85% of Australia's population now covered



Reliable & Fast

- World-class uptime
- World-class performance



Every Day

- More businesses
- More uses



Our Job

- Understand uses
- Deliver capabilities
- Make customers more profitable





Considering Solar?

What's the ROI?



Complicated

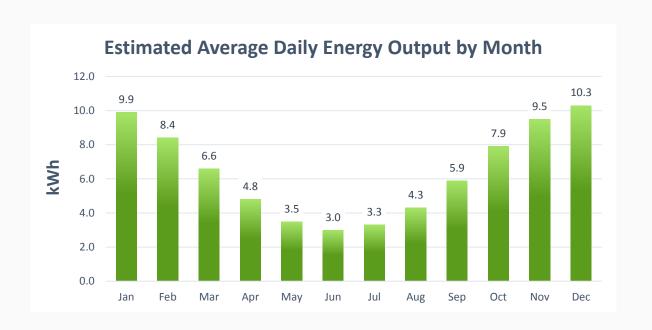


- Location?
- Shade?
- Number of panels?
- System power?
- Consumed or exported?



Offer

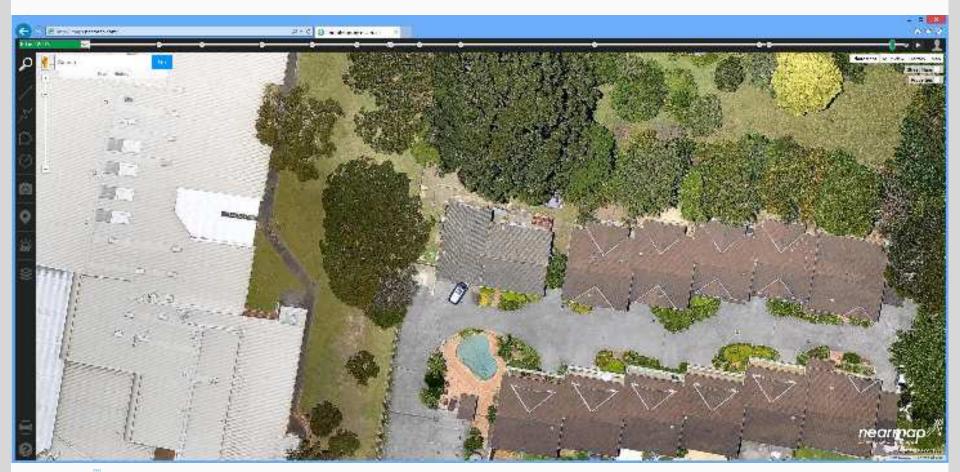
 Must be easy to understand





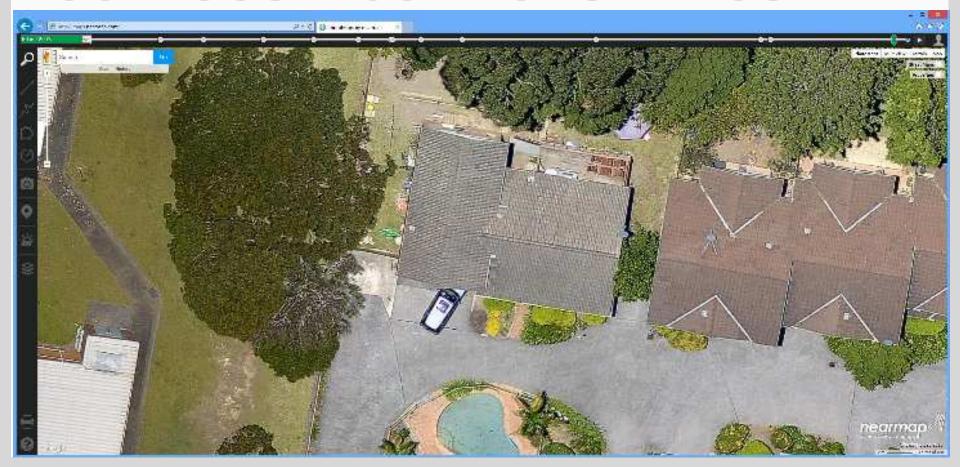
Shade Analysis



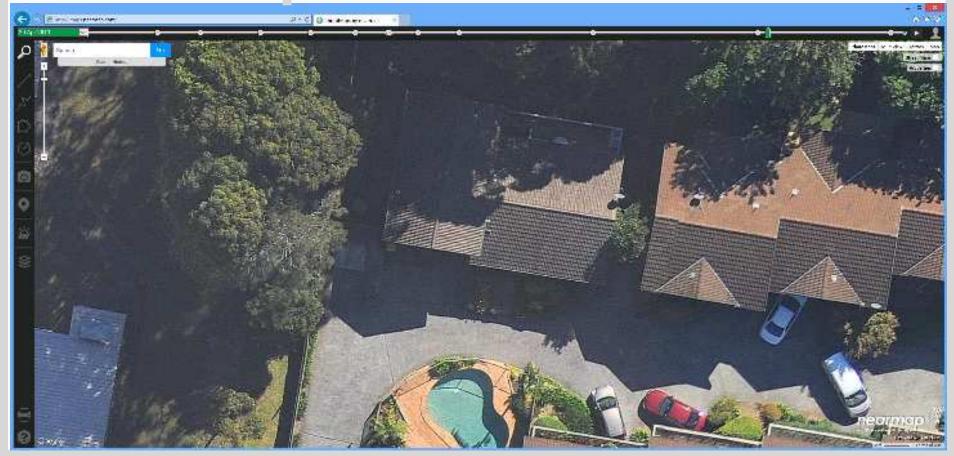




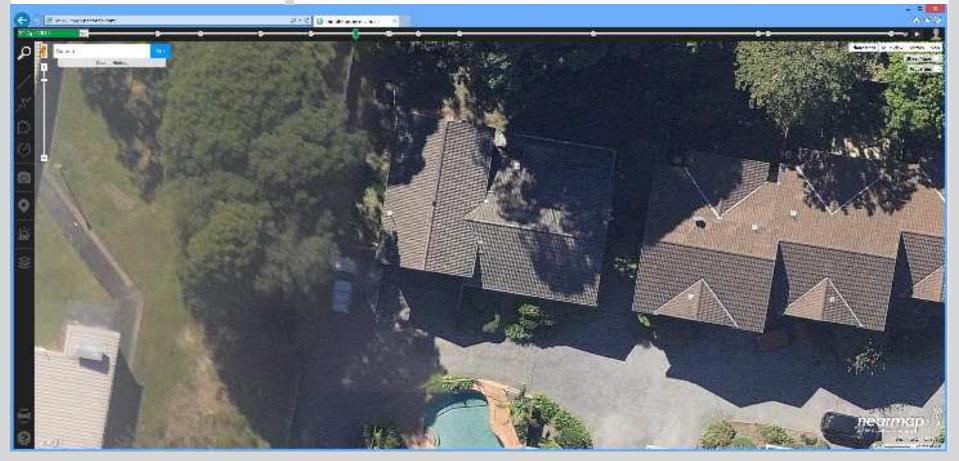
06 December 2013 12:09 PM



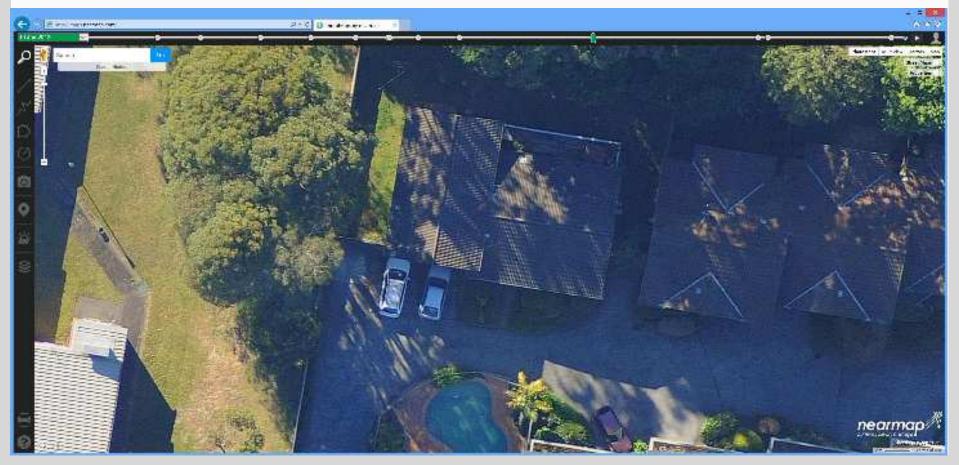
29 April 2013 9:54 AM



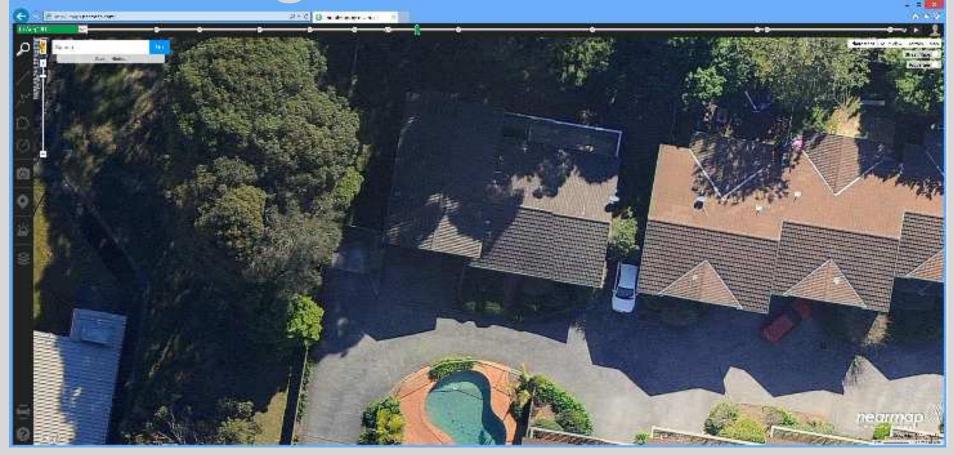
21 April 2011 1:13 PM



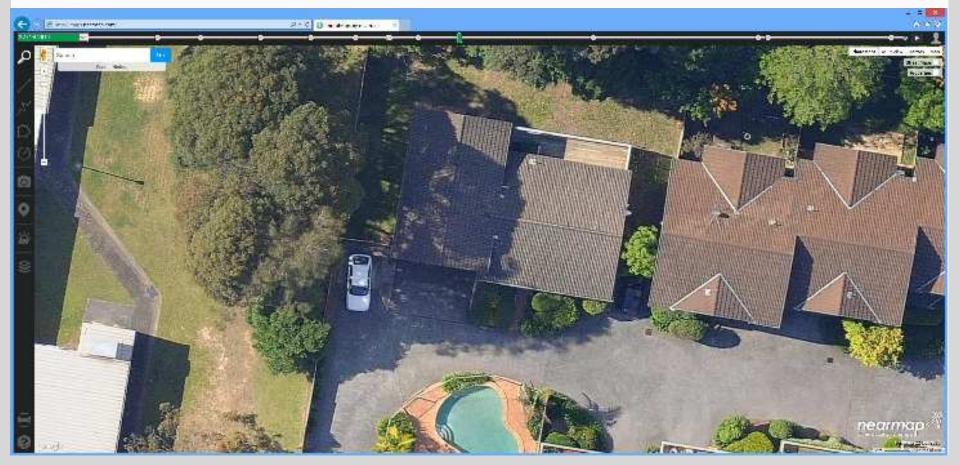
19 June 2012 2:00 PM



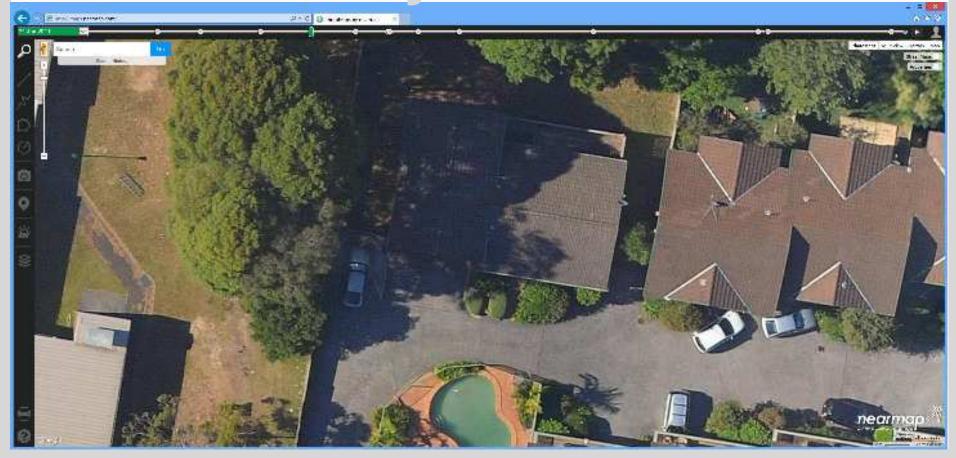
10 August 2011 10:26 AM



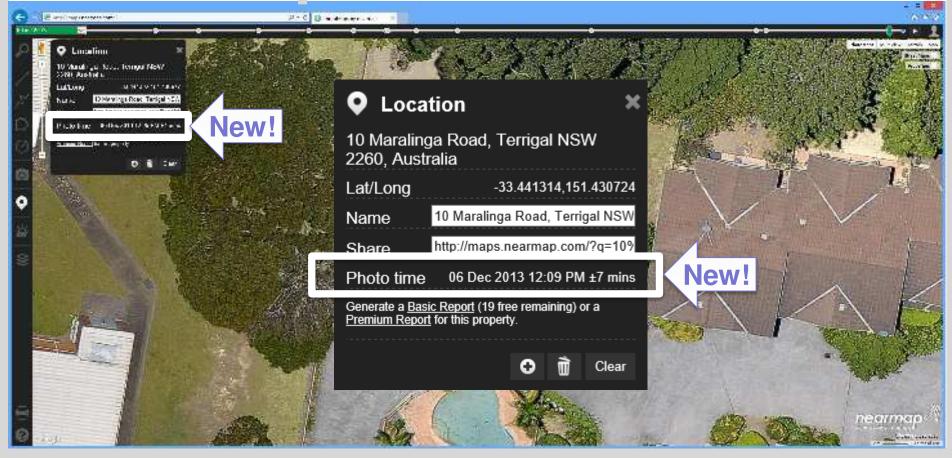
22 October 2011 2:52 PM



31 January 2011 3:53 PM



#1 Requested Feature



Shade

- Critical to a solar system
- TimeLine shows the amount and direction of shade at different months of the year
- Photo Time (new!)
 shows the amount and
 direction of shade at
 different times of the
 day



Roof Pitch











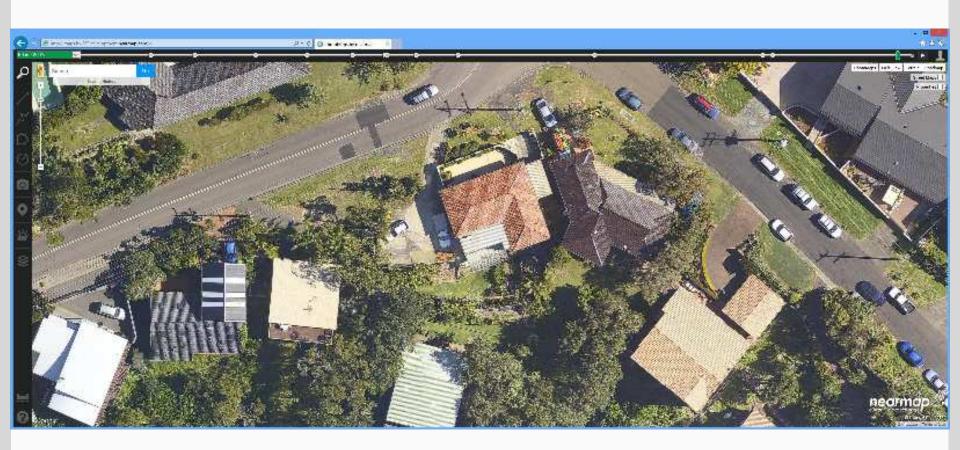
Panels

Introducing a better way!

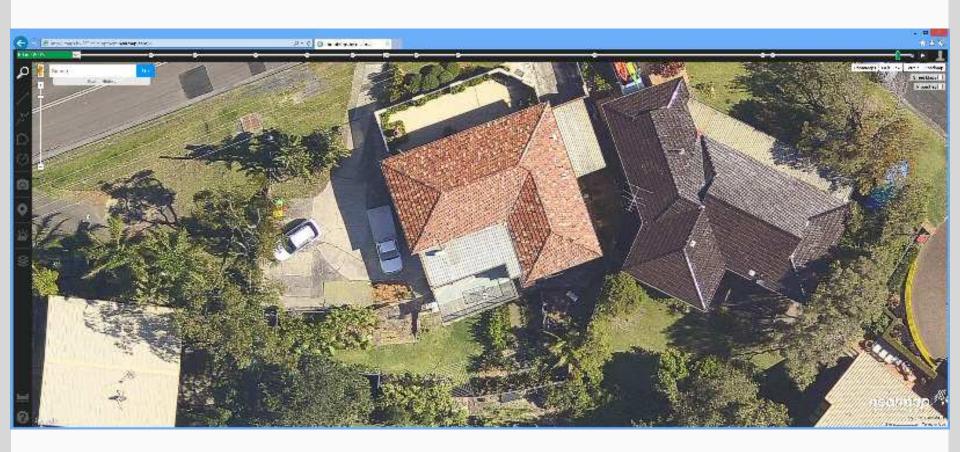












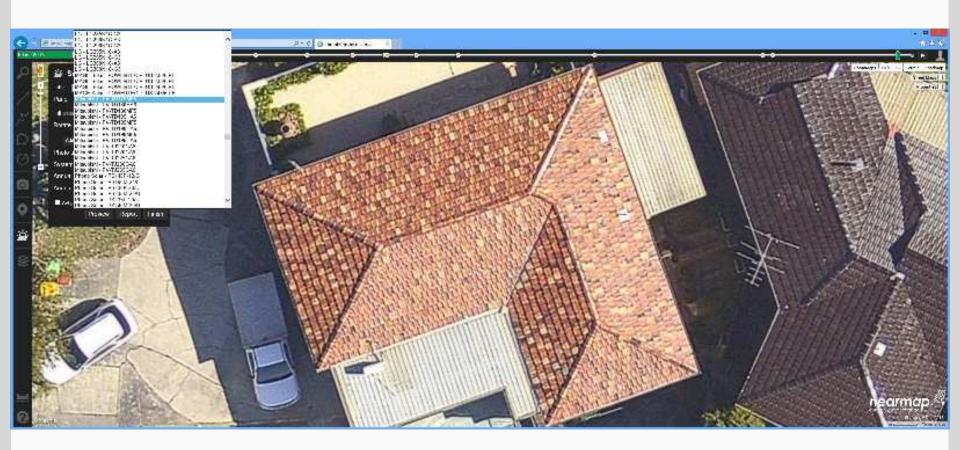




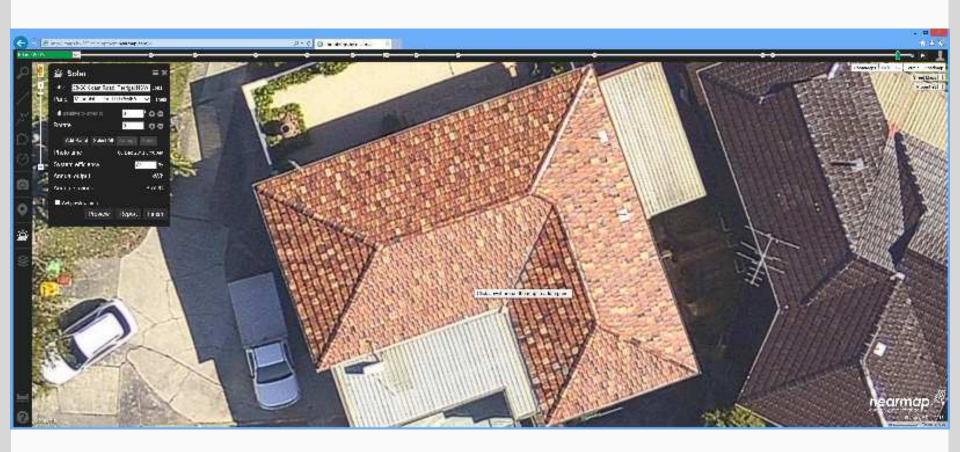




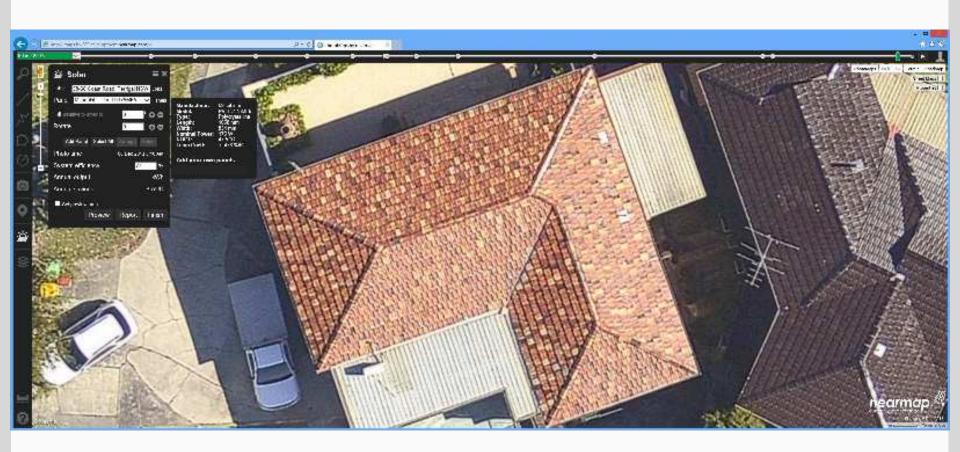




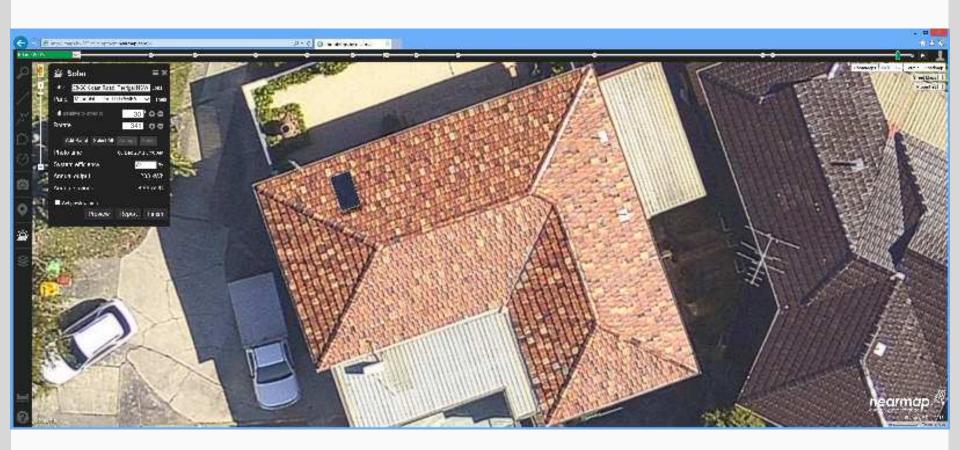










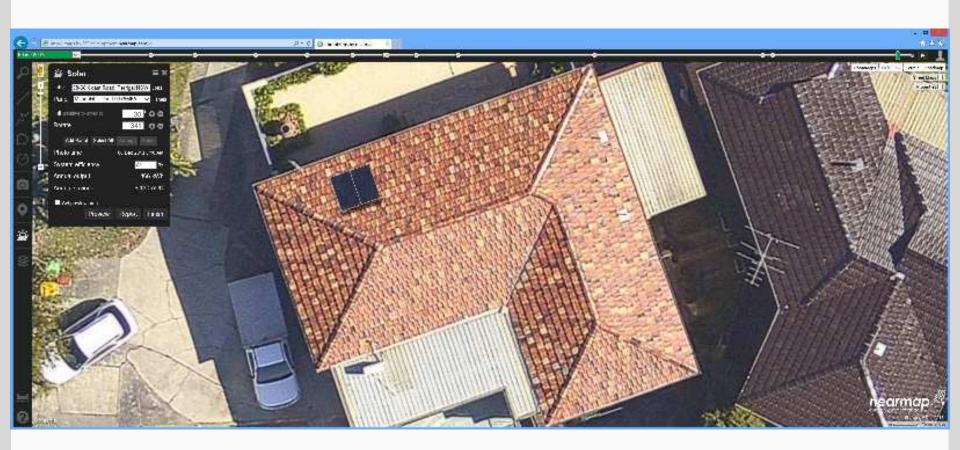




Solar Panel Power Output Variables

- Latitude of the location
- Angle and direction of the panel
- Type of panel
- Time of year
- Time of day
- Cloud cover
- Shadow
- Temperature





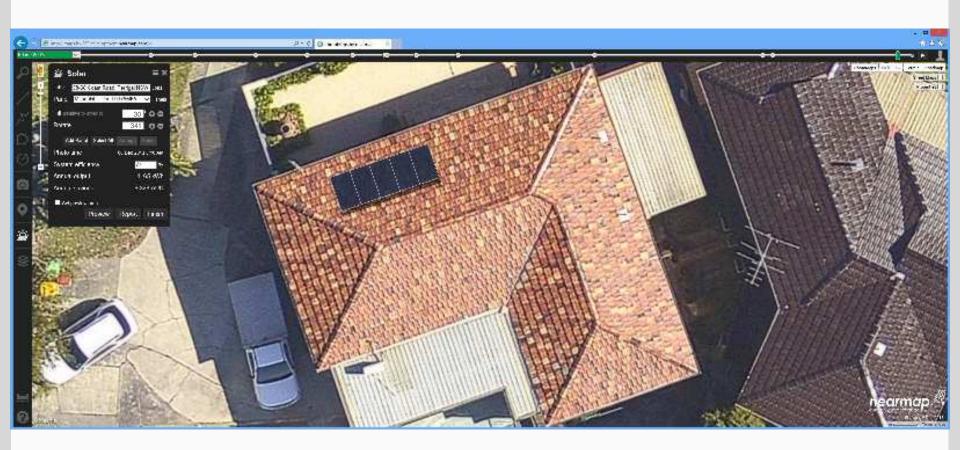












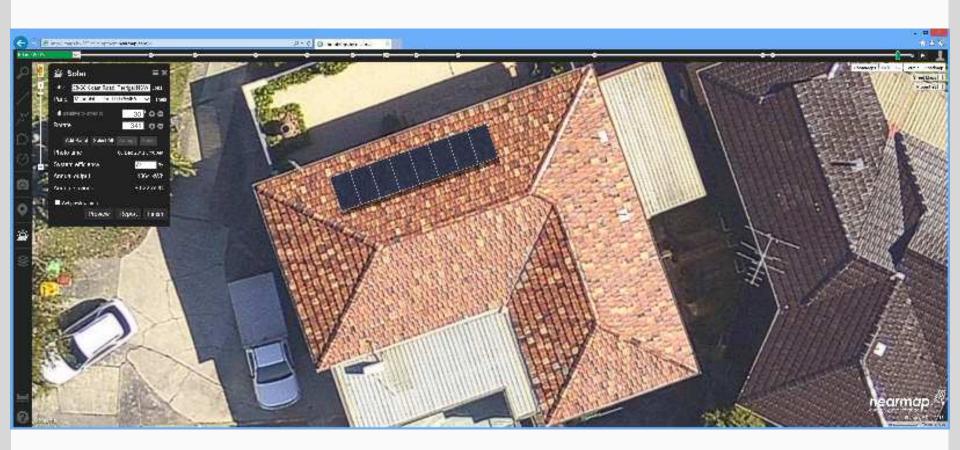




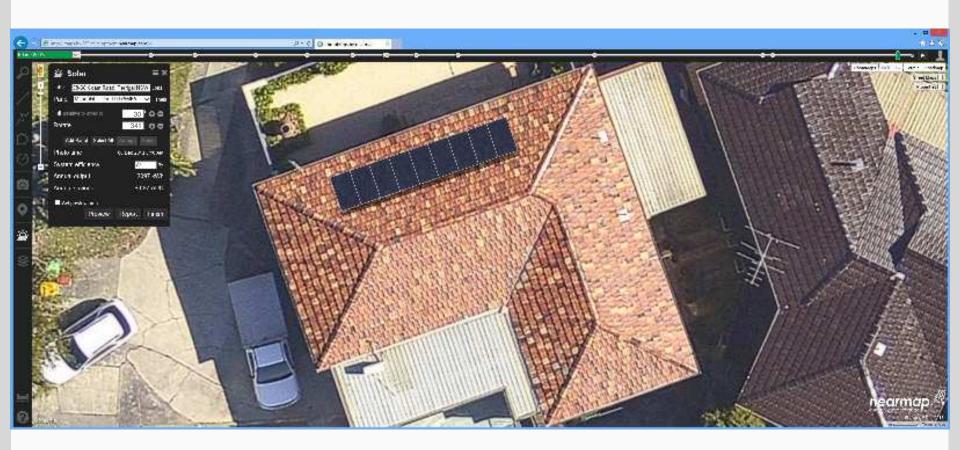




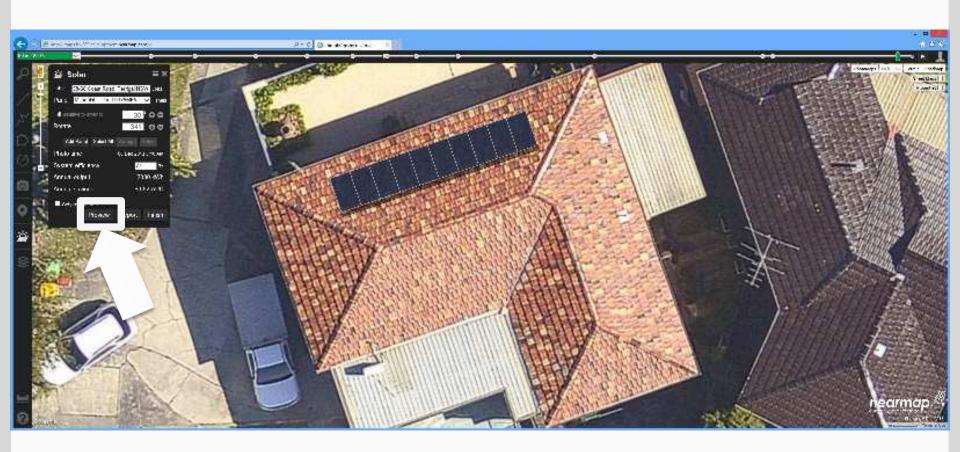




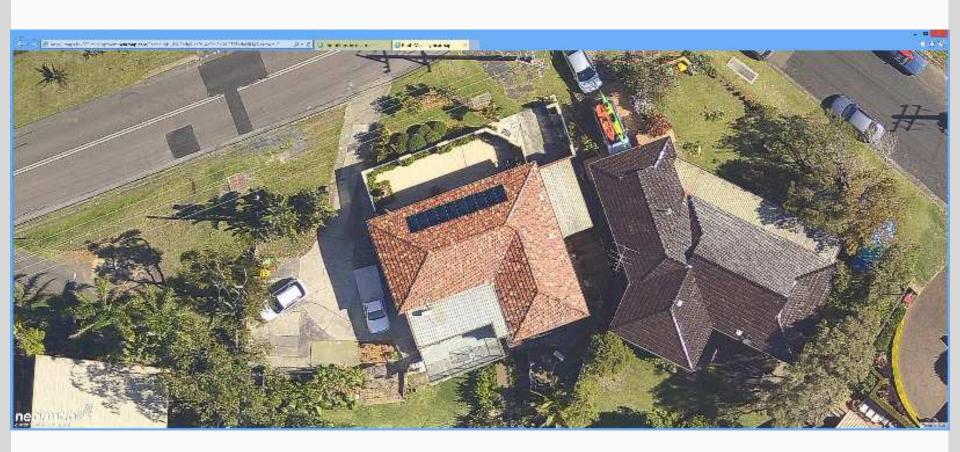












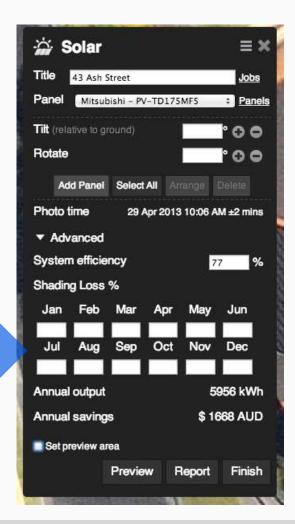




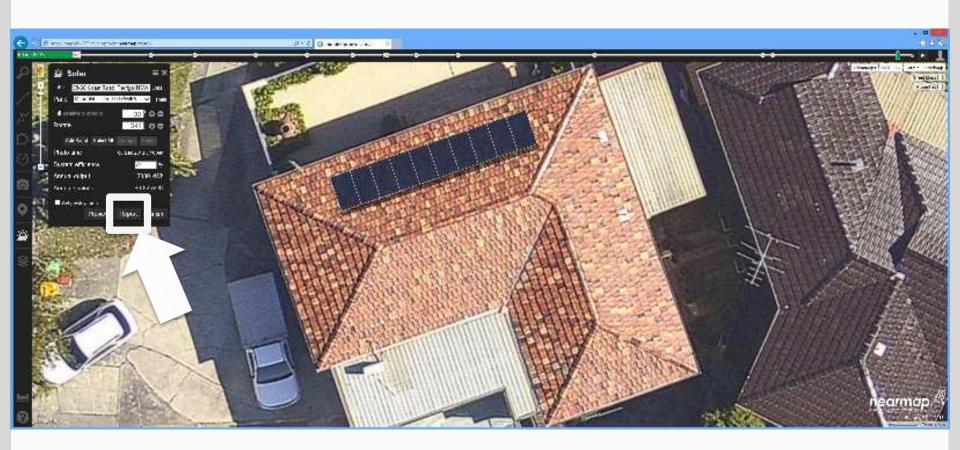


Advanced View

Shading loss per month









Solar Report

- Location
 - Solar radiation
 - Cloud cover
 - Temperature
 - Electricity prices
- Panel
 - Type
 - Quantity
 - Tilt
 - Rotation



Solar Report

- Manually input
 - Overall efficiency
 - Shade impact / month
- Output
 - Energy
 - Greenhouse gas emission reduction
 - Electricity savings
 - MS Word format





Image Date 6 December 2013

Solar Panel Report Copyright © 2014 nearmap ltd © April 2014

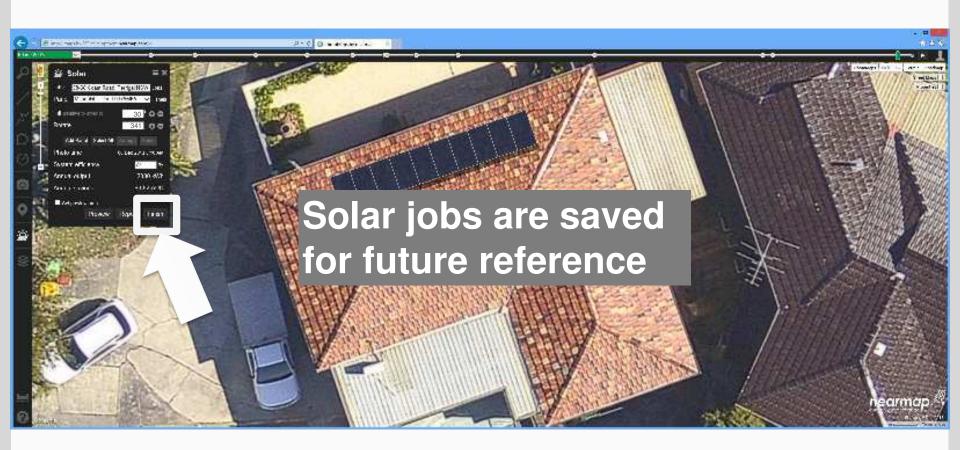
Solar Panel Report



System Parameters

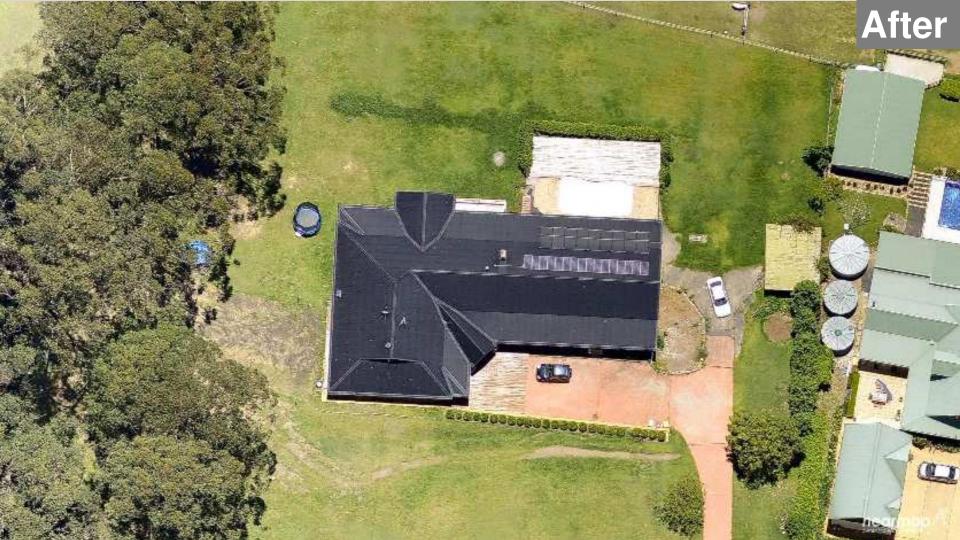
Manufacturer Power Rating for Array	1750 W
Manufacturer and Model	Milsubishi - PV-TD175MF5
Number of Panels	10
Total Panel Area	13.8 m²















- Shade analysis via TimeLine and Photo Time
- Roof pitch estimation via integrated street view
- Easy to use virtual panels
 - Over 1,000 CEC approved panels or add your own





- Instant location-aware energy calculations
 - Manually adjust for monthly shading and overall efficiency
- Photorealistic mock-up images





- Complete solar report
 - MS Word format
- Solar jobs saved for future reference
- Web page and video tutorials available





- Audit installations
- Prospecting?



"nearmap is one of the most important 3rd party solutions we use in our business. The product provides clear images, accurate measuring tools and delivers professionalism in our client proposals, resulting in increased customer engagement. Just last week I was able to provide a nearmap Solar Report to one of my customers, which detailed panel specifications, annual yield data and an accurate mock-up image of the proposed panels on their roof. nearmap allowed them to visualise the end result and get excited about investing in solar. I think that any business that requires up-to-date site imagery, state-of-the-art measuring capabilities or a professional edge should seriously consider incorporating nearmap into their business model."

- James Purcell, Solar Australia



Available Now

nearmap.solar



Commercial Manager

Rachel Shepheard

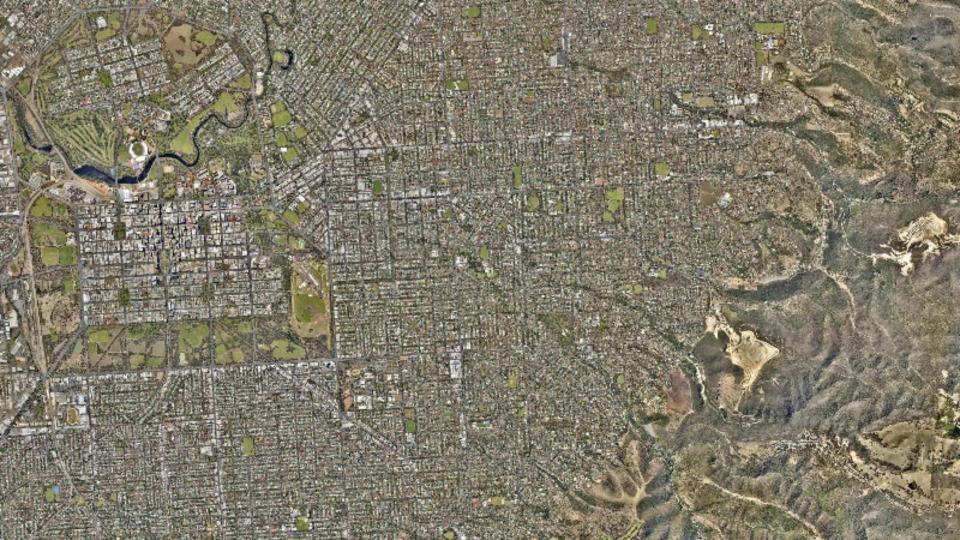
rachel.shepheard@nearmap.com

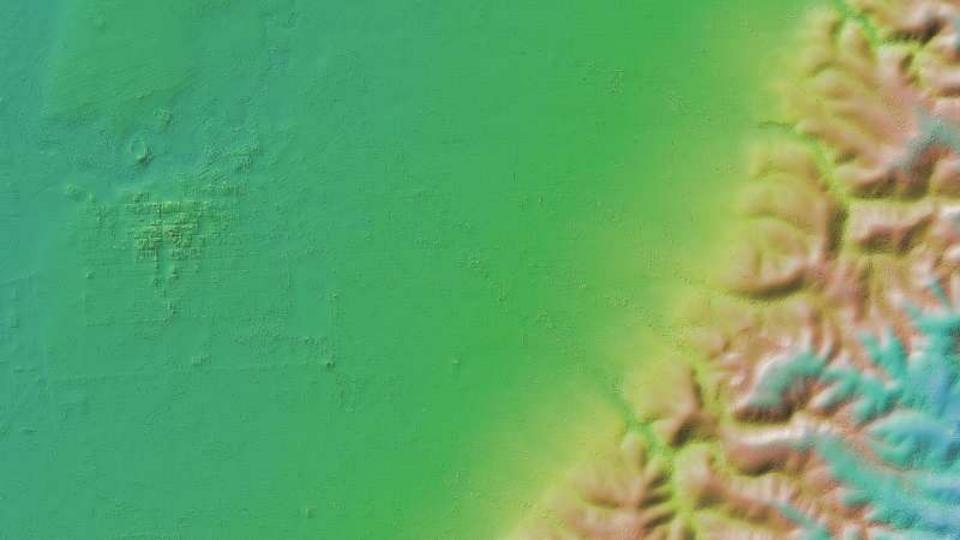


Future Directions

Paul Lapstun Chief Technology Officer











Disclaimer

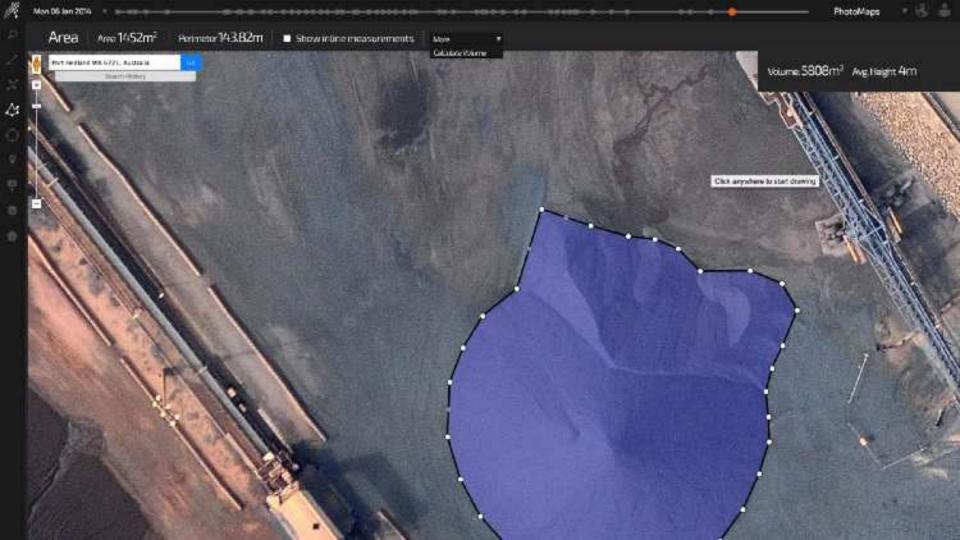
 The following describes research activity, with no specific schedule for product rollout

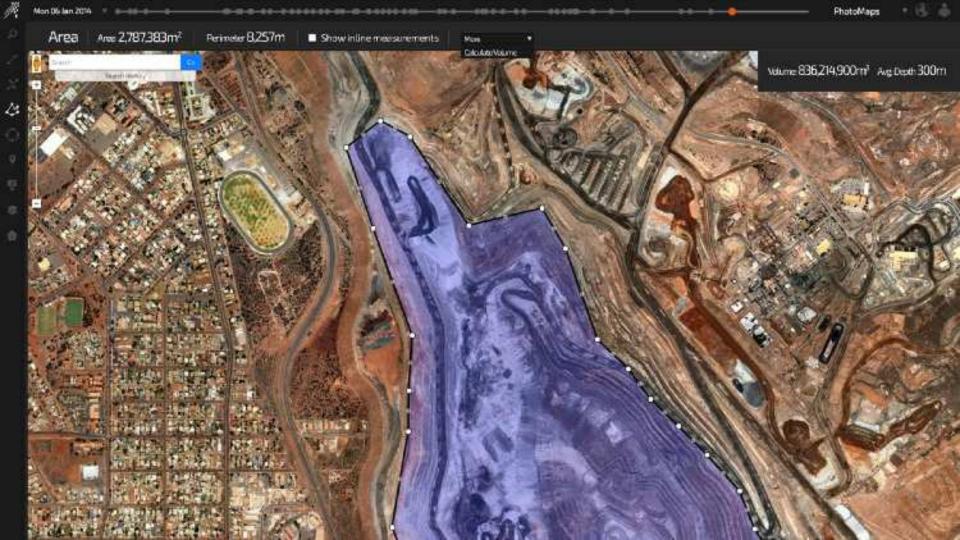


Volume Estimation

- Measure stockpiles
- Track pit expansion
- Cost excavations

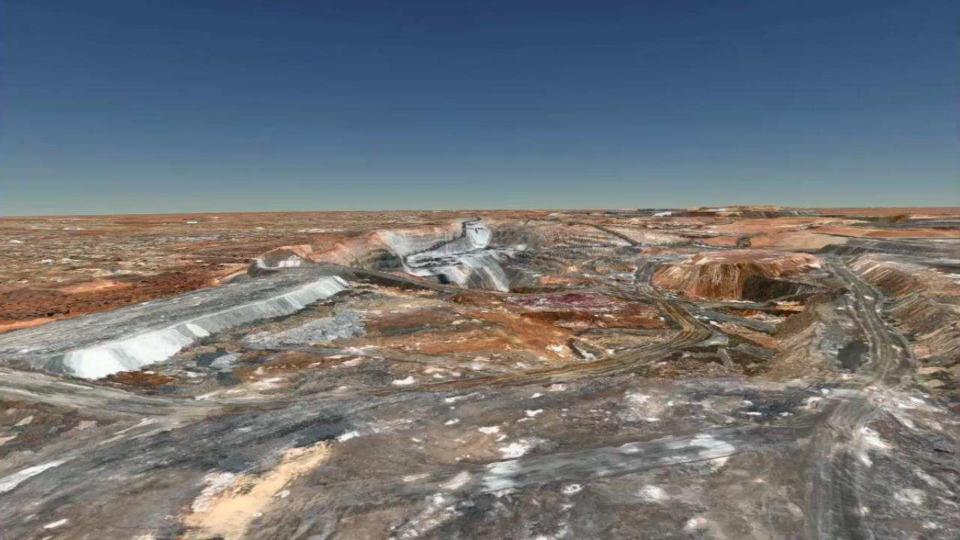






3D Map Browsing





Change Detection

- Monitor vegetation
- Detect recent construction
- Analyse effects of disasters



Flood Modelling

- Assess flood risk
- Plan flood mitigation
- Value affected properties















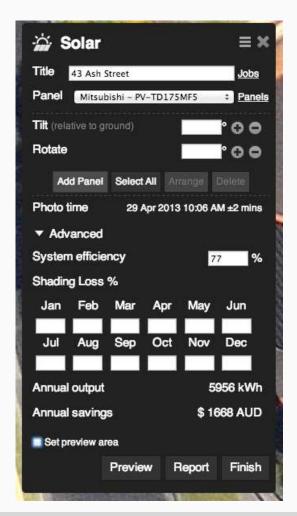


Shadow Analysis

- Model shadows cast by terrain, buildings and vegetation
- Visualize seasonal and time-of-day effects
- Value properties
- Predict solar panel shading loss



Predict Solar Panel Shading Loss





Summary

- Current:Clear:Change applied to elevation data
- Volume estimation
- 3D map browsing
- Change detection
- Flood modelling
- Shadow analysis

