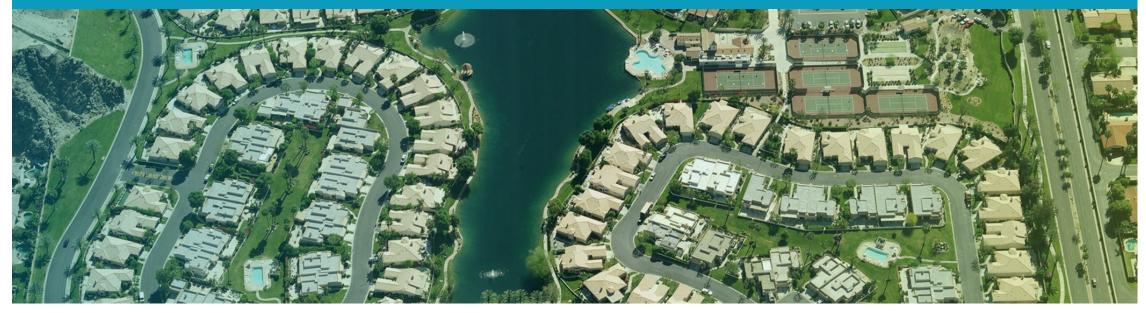


The New Standard in Shade

Justin Lee Senior Product Manager

Mission

We improve people's lives by creating and managing the world's digital domain for property and structures.



What we do



High Resolution Aerial Image Quality and Coverage

50+ Petabytes of imagery, 300 million images

Accuracy and Reporting of Big Data

20k+ reports per day that can scale to **40k** per day. **5.6M** property attributes detected with **+93%** accuracy.

Transformative Workflows:

4.3m virtual inspections in 2018 versus physically rolling a vehicle





SunSite Complete

3D Building Geometry

Delivers precise roof 3D models derived from aerial imagery

Edge to edge measurements

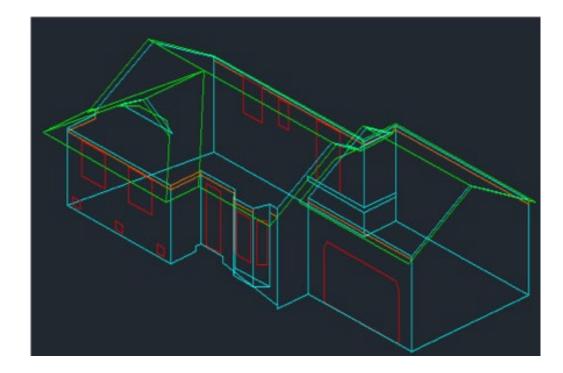
• Horizontal & vertical measurements

Rooftop Penetrations

• Size & location measurements

Data classification

- Facets & penetrations
- Line type designation



Detailed, Site Specific Shading



Benefits

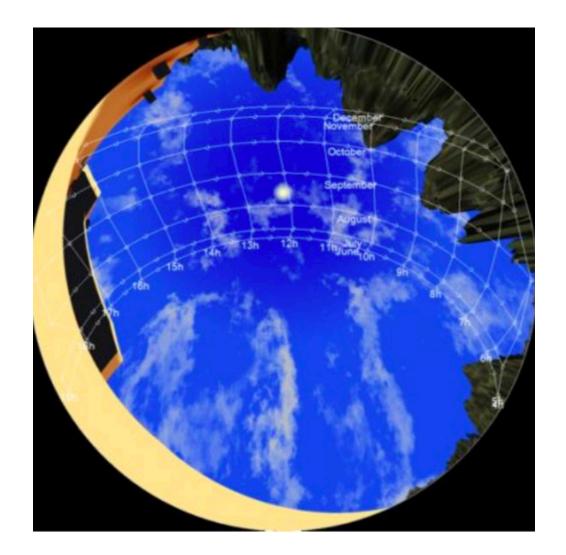
Get detailed shade values for the entire roof



Get more accurate shade values

Eliminate site visits

A Structured Data to analyze and build on







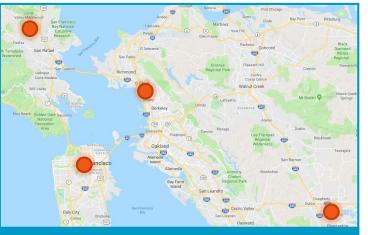
Does it work?

Assessment methodology



Different capture approaches were selected

- EagleView SunSite Complete which measures solar access values remotely based on aerial imagery
- Solmetric SunEye 210 handheld measurement device equipped with image processing and GPS software



Representative test sites were identified

• 4 residential sites in California were chosen based on the diversity of the type of shade affecting them, such as nearby buildings, trees, and rooftop shade-causing objects



Solar Access Values were captured and analyzed

- EagleView SunSite Complete generated measurements and solar access values from multiple aerial vantage points for the four sites
- Using the handheld, an Institute for Building Technology and Safety (IBTS) technician collected measurements facing south capturing 21 points across the four sites

* Ratio of shaded insolation over unshaded insolation at a given point.



Results

Average difference was between -1%

to 0% in annual SAVs between EagleView SunSite Complete and SunEye 210

"EagleView SunSite Complete is viable tool for estimating shade impact on the roof of common residential/low-rise structures."*

- DNV GL

Average annual SAVs from SunEye and EagleView along with their difference

| Site | Point | SunEye SAV (%) | EagleView SAV (%) | Δ SAV (%) |
|---------|---------------|----------------|-------------------|------------------|
| Bolanos | A | 57 | 59 | 2 |
| | В | 64 | 66 | 1 |
| | С | 62 | 65 | 2 |
| | D | 80 | 80 | 0 |
| | E | 92 | 85 | -8 |
| | Average of 5 | 71 | 71 | 0 |
| Evelyn | A | 85 | 85 | <1 |
| | В | 98 | 93 | -5 |
| | С | 88 | 94 | 6 |
| | E | 91 | 90 | -1 |
| | F | 93 | 92 | 0 |
| | Average of 5 | 91 | 91 | 1 |
| Grove | A | 94 | 95 | 1 |
| | В | 95 | 98 | 3 |
| | С | 89 | 90 | 1 |
| | D | 78 | 87 | 9 |
| | E | 92 | 92 | 1 |
| | Average of 5 | 90 | 92 | 3 |
| Laramie | A | 64 | 71 | 6 |
| | В | 76 | 77 | 1 |
| | С | 73 | 76 | 4 |
| | D | 63 | 63 | 1 |
| | E | 69 | 62 | -7 |
| | F | 69 | 57 | -12 |
| | Average of 6 | 69 | 69 | -1 |
| All | Average of 21 | 80 | 80 | 0 |

*DNV GL. "Technical Assessment: Review of Shade Estimation Tool – Eagle View Technologies, Inc." Document No. 10123339-OAL-R-01-C, November 21, 2018.

Why does this matter?

Simplify and speed up sales processes

Foundation for automated system design

De-Risk the solar lifecycle





eagleview