



Local Government Applications For Fleet Management of Solar Energy Systems

The Australian LGA Solar Landscape

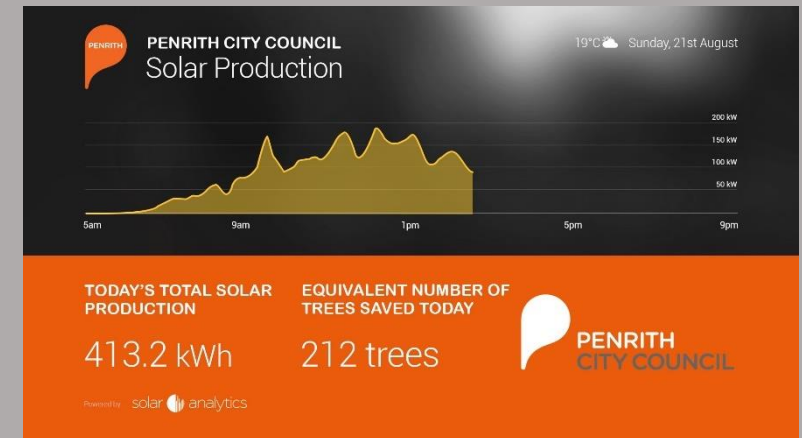
“Over the past decade an increasing number of Local councils are generating renewable energy locally, by installing rooftop solar PV on council facilities to help meet their electricity needs.”

Clean Energy Finance Corporation | Clean energy opportunities for local government | June 2016

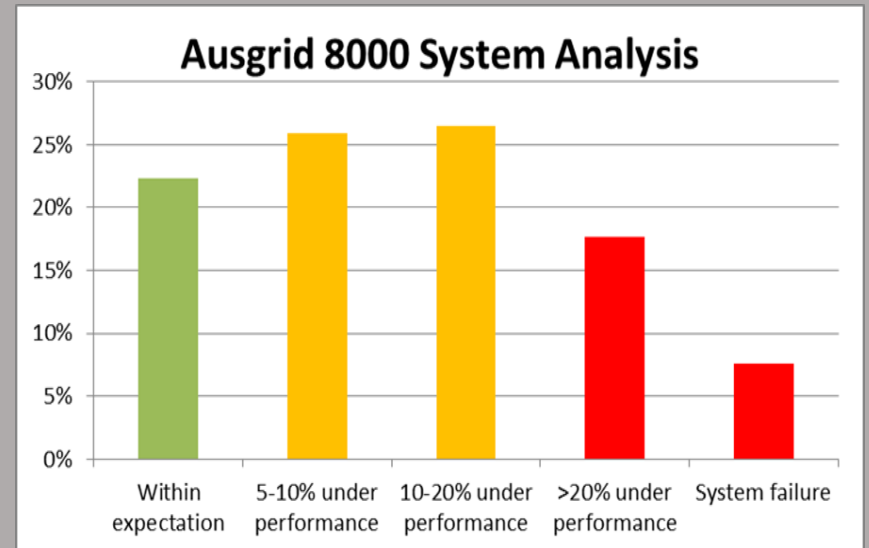
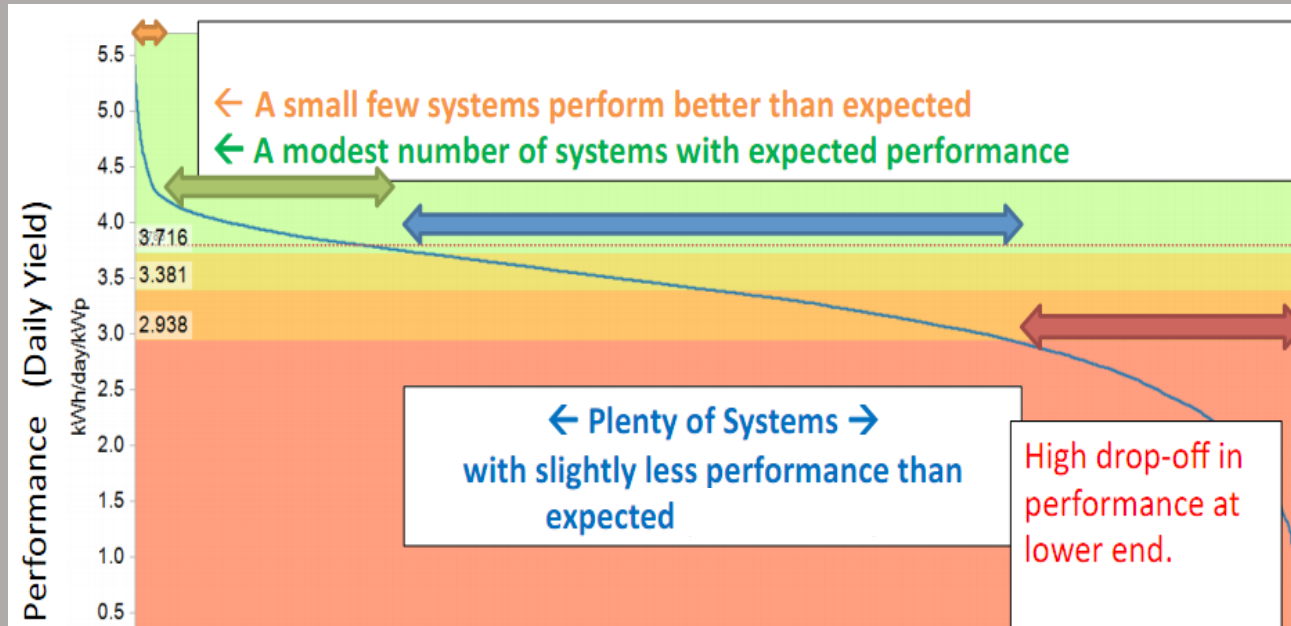


Solar Analytics Solution for Council solar projects

- Solar **performance** analysis and diagnostics –
 - lets you know if your systems are working properly
- Visibility of all solar assets on **one fleet dashboard**
 - (requires no support from your IT department)
- Automated notifications of **faults and alerts**
- **Accurate data** for annual Carbon Reports and State of Environment reporting
- One monitoring option which works with **different inverter types**
- **Easy-to-understand** public facing display to raise the community awareness of your Council's efforts to reduce costs and protect the environment



How many PV systems are underperforming?



"Analysis of Ausgrid data from 8000 solar PV systems in NSW shows that 51.8% are underperforming"

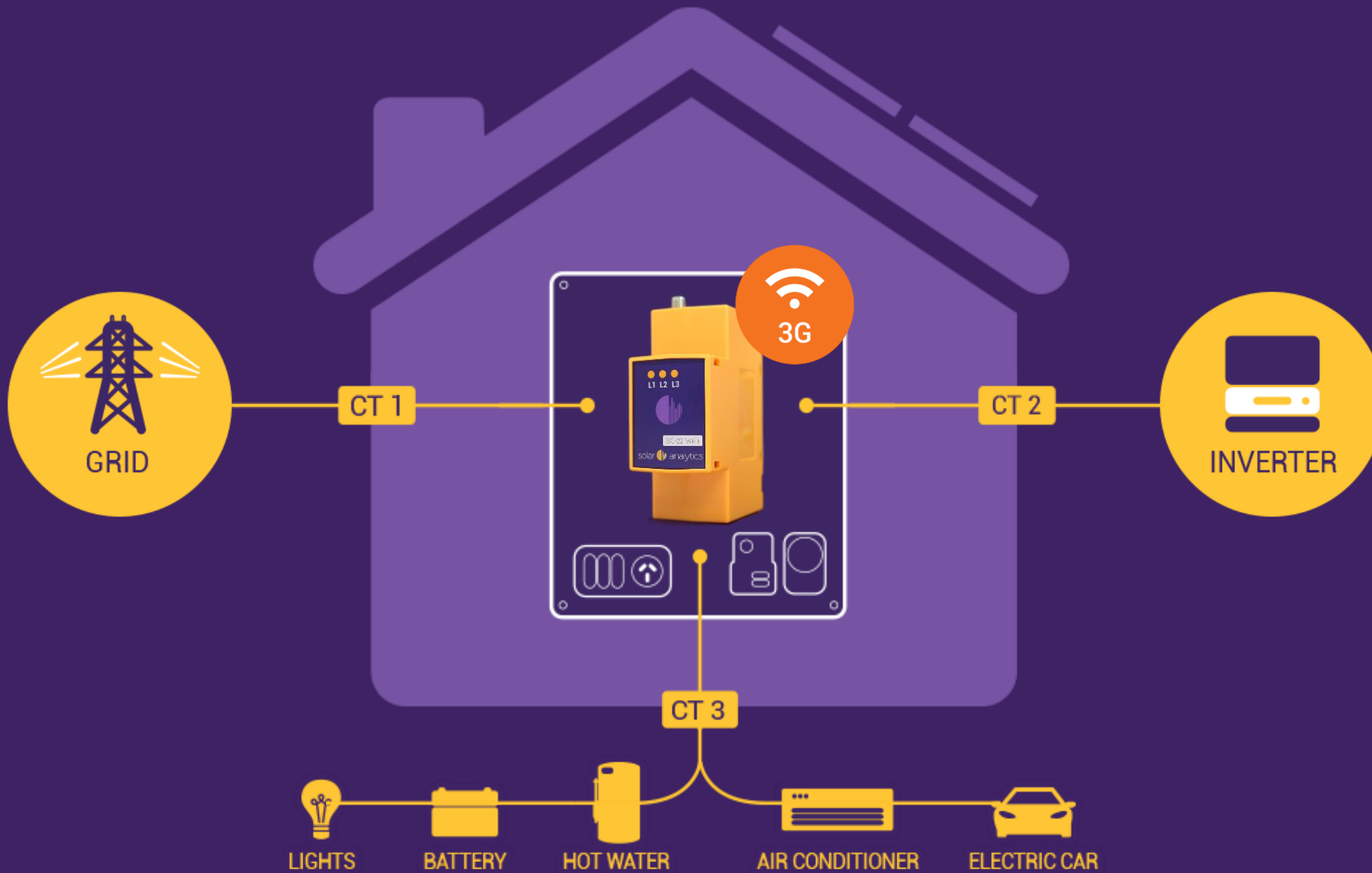
SunWiz, 2013

"The average solar PV system is at 81% of optimum, costing customers \$300-\$3000 per year"

The Solar Analytics difference

- ✓ Faster, cheaper, simpler monitoring solution
- ✓ Live data
- ✓ Compatible with any inverter
- ✓ Real-time solar production + energy consumption
- ✓ Performance information
- ✓ Fault diagnosis with actionable recommendations
- ✓ Co-branded reports and notifications
- ✓ Australian solar expertise
- ✓ Local technical support team

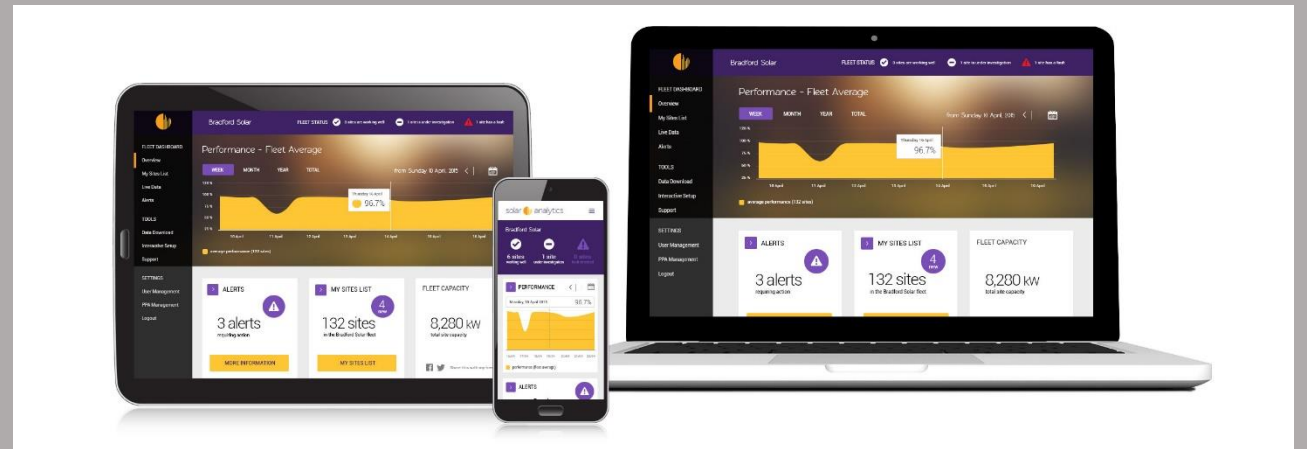




Who is Solar Analytics?

We are an Australian software company that provides active solar monitoring for residential, commercial and institutional solar PV systems.

- Expected versus Actual
- Real-time energy generation and usage
- Fault Detection and Diagnosis
- Regular performance reports
- Fleet Management



User friendly fleet and end user views

- Fleet view of every system you install.
- Multi level login management; fleet owner, installer, super admin
- Simplified end user views
- Backend view of all sites for support at Solar Analytics
- Dedicated and highly trained support team



The "My Sites List" dashboard displays a table of active sites. A search bar contains the text "Nigel". The table has columns for Site Name, Site ID, Address, State, Size, Subscription, Hardware, and Status. A legend at the bottom indicates status icons: green checkmark for "good", orange circle with minus for "under investigation", grey circle with minus for "inactive", and red triangle for "fault detected".

SITE NAME	SITE ID	ADDRESS	STATE	SIZE	SUBSCRIPTION	HARDWARE	STATUS
Nigel Morris <small>Real Juice Australia Pty Ltd</small>	17770	54 powder works rd North Narrabeen	NSW	1.8KW	Automatic	KR-63, SC-23	good
Nigel Morris EV <small>solar systems</small>	27720	54 PowderWorks rd North Narrabeen	NSW	0.3KW	Automatic		inactive
Nigel & Zoe Whirling <small>inspire solar</small>	27662	6 Mayer Street McDowall	QLD	6.5KW	Automatic	SC-23	good

Improved fleet manager satisfaction

- Simple reports – automated, no effort by you
- Bigger picture – dashboard is loaded with insights
- Highly developed – years of research into what customers really want to see
- Value added – insights, tips and widgets empower the customer



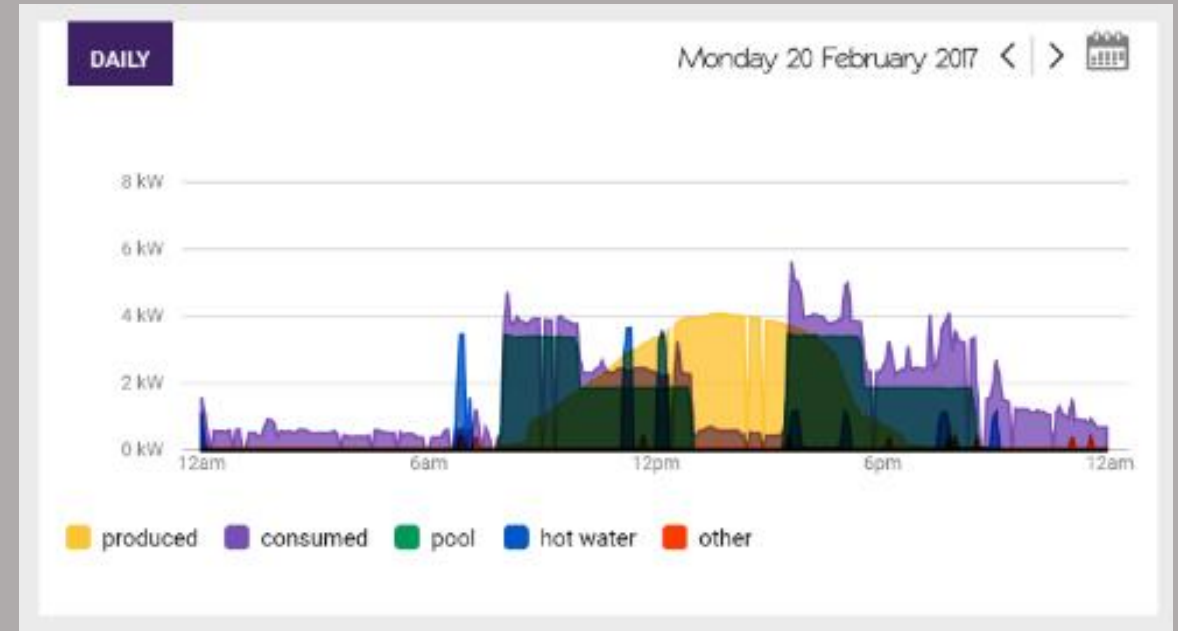
Notifications

Wow! Using solar energy has saved you \$1000 since you installed Solar Analytics monitoring.
23rd November 2016

Yesterday was the winter solstice. You produced 11.3 kWh of solar energy on the shortest day of the year. It's all up from here!
22nd June 2017

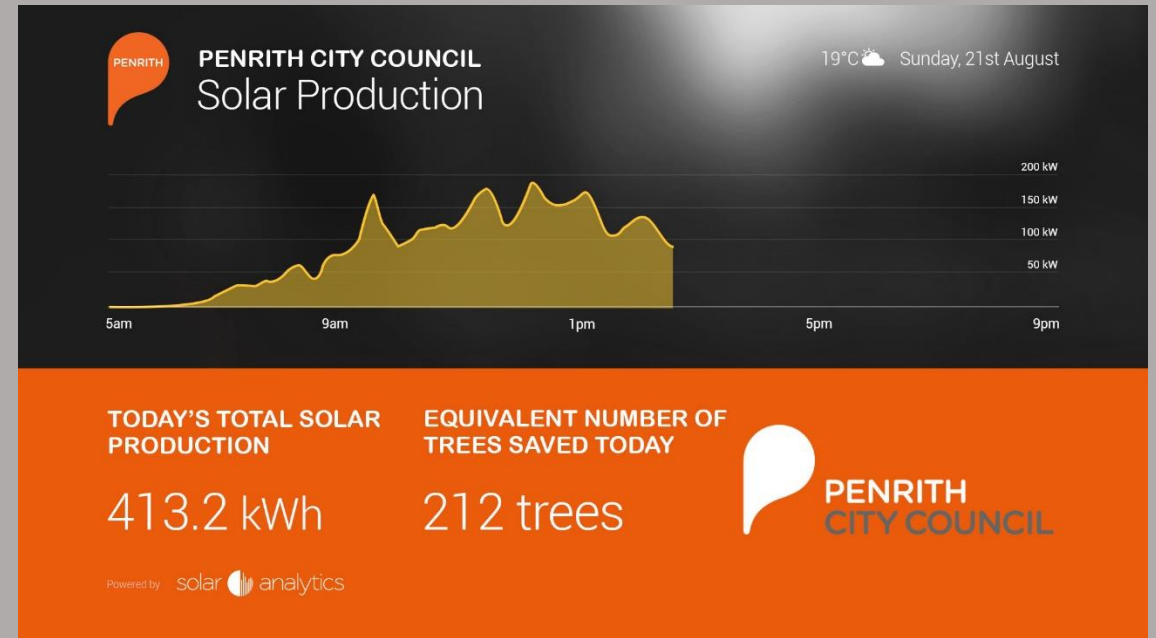
Saves rate-payers money

- Cheaper installations – lower up front cost
- Energy saving - identify self consumption opportunities
- ID major consumers – practical tool to measure various appliances
- Accurate predictions – simple estimates of battery requirements



Bring your solar to life

- Showcase your solar investment to the public
- Simple visualisation of system performance
- Promote your Council brand
- Easily display on web connected screens
- Embed within your web site



Layout options

- Personalised branding and colour options
- Display a choice of data visualisations
- Choice of various graphs from a single site (subject to fit)
- Custom “equivalent” field



Leverage Our Strategic Collaborative Partnerships

SunSPoT

Understand your solar potential
an **APVI** project

enosi

an **APVI** project



ELEMENTAL
EXCELERATOR



AUSTRALIAN
SOLAR COUNCIL
THE NATIONAL VOICE OF SOLAR



Australian Government
Australian Renewable
Energy Agency

ARENA



ASSESS THE BEST OPPORTUNITIES FOR SOLAR TO BETTER INFORM PLANNING, POLICY DEVELOPMENT AND INVESTMENT IN PV.

Council Benefits

- Drives solar PV adoption in households & businesses
- Alignment with sustainability & social responsibility
- Offer to ratepayers for a positive council initiative
- Assess your solar potential
- Assists carbon reduction strategies

Rate Payer Benefits

- Free independent solar assessment
- Easy to use online tool
- Highly accurate savings & solar calculator
- Rooftop specific solar PV assessment
- Assess your solar potential



SunSPOT

Understand your solar potential
an  APVI project

Data for Smart Energy Decisions

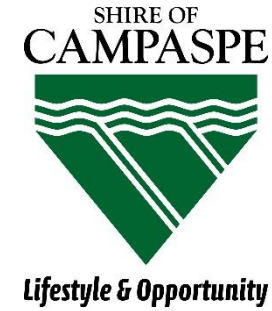
With the support of the
Commonwealth Government under the
Smart Cities and Suburbs program

Contact: sunspot@apvi.org.au

Partner with the APVI to have your LGA mapped to offer this unique service to your council, local businesses and rate payers.

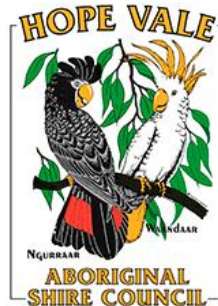
 **AUSTRALIAN
PV INSTITUTE**

LGA Councils We Are Working With.



City of
STONNINGTON

PENRITH
CITY COUNCIL



The Top 5 Reasons LGA's Love Solar Analytics

1. Agnostic Approach to Solar Monitoring (all inverters)
2. Consistency & Reliability of Monitoring Across a Fleet
3. Community Engagement
4. Automated Reporting
5. Highly Accurate & Detailed Data

Solar Analytics

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