



## Protecting Solar Farms from Severe Weather Threats

Australia's solar farms are critical to the nation's renewable energy future, but they face major vulnerability to extreme weather events.

- **Hail Damage:** Even minor cracks reduce efficiency or lead to costly replacement. Large hail can destroy panels in minutes
- **Lightning Strikes:** Threaten both infrastructure and worker safety.
- **Severe Storms:** Disrupt operations, damage equipment, and increase insurance claims.
- **High-Risk Zones:** 95% of solar sites in Australia are in the highest risk category for climate-related perils
- **Downtime = Lost Revenue:** Every minute offline reduces output, profitability, and investor confidence

## The Solution: SolarAWARE

SolarAWARE is a comprehensive weather intelligence package designed for solar farm operators to reduce risk and protect assets.

### Hail Alerts & All Clear Notifications

Immediate warnings when hail is detected, plus confirmation when risk has passed

### Hail Forecasts

Location-specific, size-based predictions hours in advance, delivered to your team

### HailAWARE Platform

Interactive mapping platform for live and historic hail tracking

### Historic Hail Impact Reports

On-the-ground validation of rainfall and flood impacts.

### Lightning Alerts

Real-time lightning strike notifications for operational safety

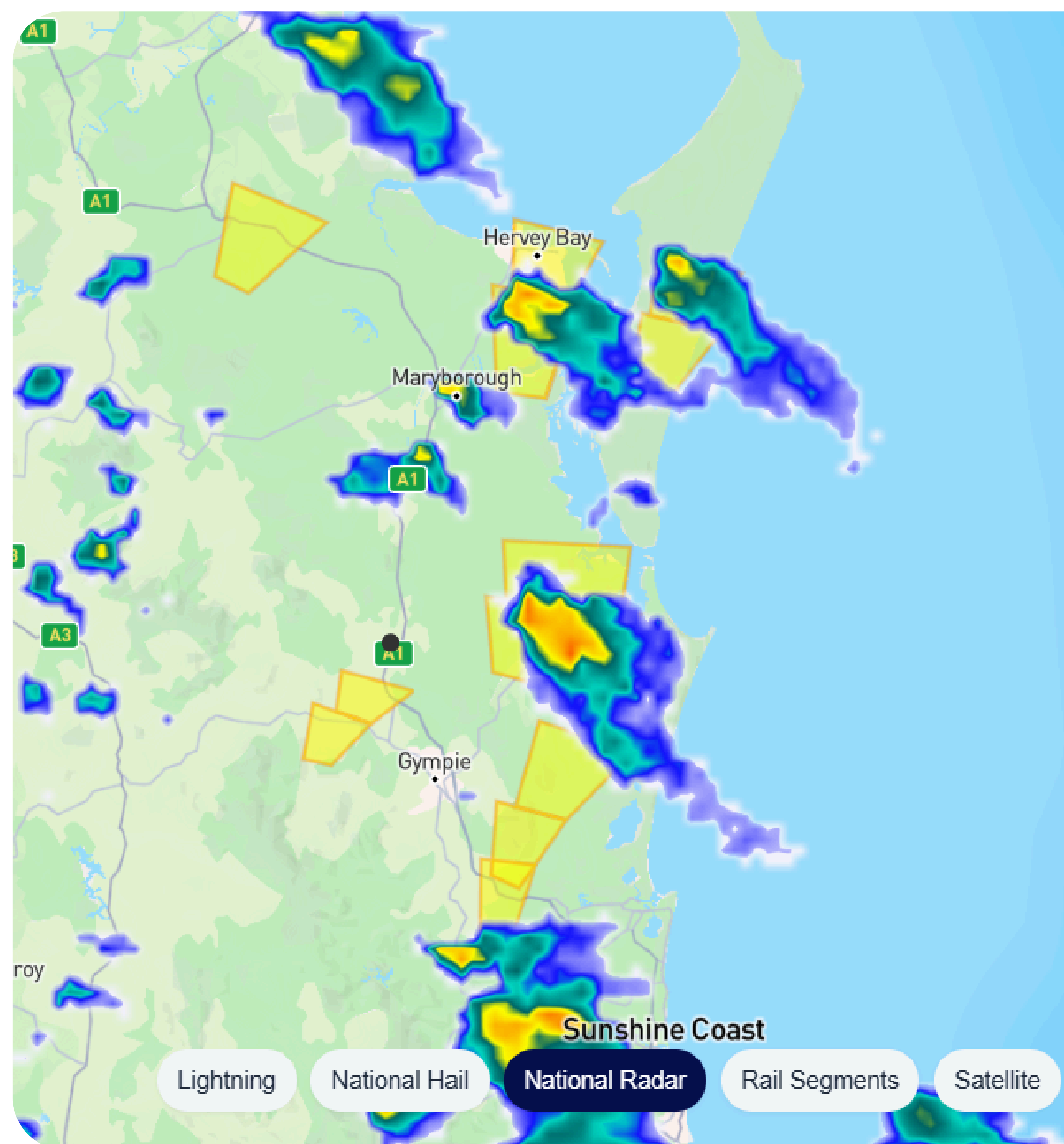
### Tomorrow.io

AI-enhanced global modelling for longer-term planning



# The Benefits of SolarAWARE

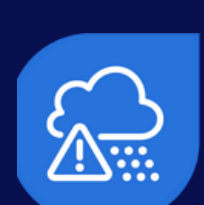
- **Minimise Damage**  
Early warnings allow panel stowing and protective measures
- **Reduce Downtime**  
Keep operations online and profitable with actionable alerts
- **Support Insurance & Claims**  
Post-event reports provide trusted, verifiable data
- **Tailored for Solar Farms**  
Designed specifically for renewable energy operators in high-risk regions
- **Trusted Expertise**  
Over 15 years protecting critical infrastructure across Australia and NZ



## Proven Success

Early Warning Network is Australia's leader in hail risk mitigation, trusted by solar farm operators nationwide. Drawing on years of partnership with the industry and deep expertise in severe weather, we developed SolarAWARE to directly address the unique challenges faced by solar farms in Australia.

- We've helped operators mitigate hail damage during severe events, saving millions in avoided downtime and repair costs.
- Supported insurers with fast, verifiable hail impact data to speed up claims processing.
- Enabled renewable energy providers to maintain output during Australia's peak storm season, protecting both revenue and reputation.



**early warning network**

[earlywarningnetwork.com/solaraware](https://earlywarningnetwork.com/solaraware)