



SOLTRAK

TRACKED PERFORMANCE

TRACKING YOUR RENEWABLE ASSETS





» PERFORMANCE MANAGEMENT CYCLE

» OUR STORY

SOLTRAK is a service designed to give renewable energy owners complete visibility into the performance of their assets, developed to demystify performance metrics and communicate a clear answer to the question - **is my asset performing as well as it should be?**

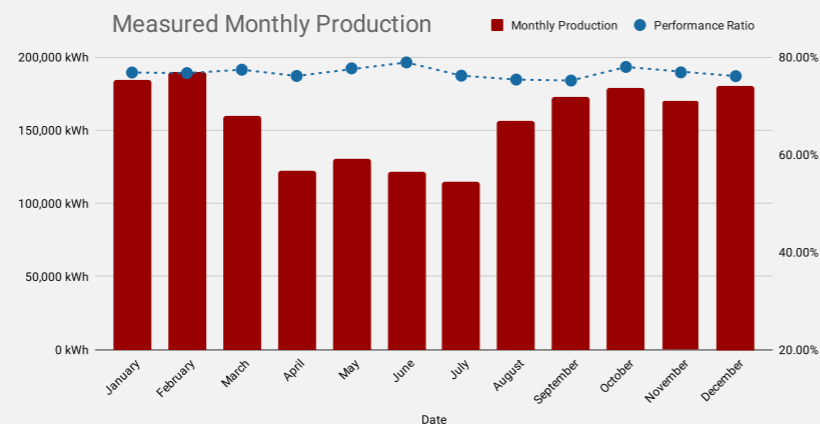
Today, renewable energy technology has become common place in the built environment, providing energy savings as an alternative to grid power and supporting a constrained electricity network. The decision to invest in renewables has become a simple one, however the challenge now lies in how to **track the performance of that asset** once invested. This is what sparked the development of

SOLTRAK - a comprehensive monitoring service that provides 24/7 visibility into the performance of renewable assets, supported by independent monthly reporting and contract support. Our aim is to give renewable energy owners complete visibility into the performance of their assets, or portfolio of assets, and provide them with information and tools that allow for **proactive management and control**.



» TRACK YOUR ENERGY ASSETS

Where the decision to go green is clear, the performance of your green asset may not be. Like all investments, **tracking performance is essential**.



Owner and Service Provider enter into an operations and maintenance (O&M) agreement.



O&M agreement contains: roles and responsibilities of the Service Provider, an energy guarantee and underperformance penalty mechanism.



Service Providers perform cleaning and maintenance services to ensure a good operating condition is maintained.



Loadshedding, weather anomaly, and curtailing production events are recorded. These operating conditions and exclusions are accommodated when assessing the energy guarantee.



Underperformance penalty mechanisms are there to ensure owners are compensated for energy production that was guaranteed but not achieved. However, Service Providers report to owners on their own performance and consequent underperformance penalties.



Once the contract term passes, the O&M agreement is renewed.



» MARKET CHALLENGES

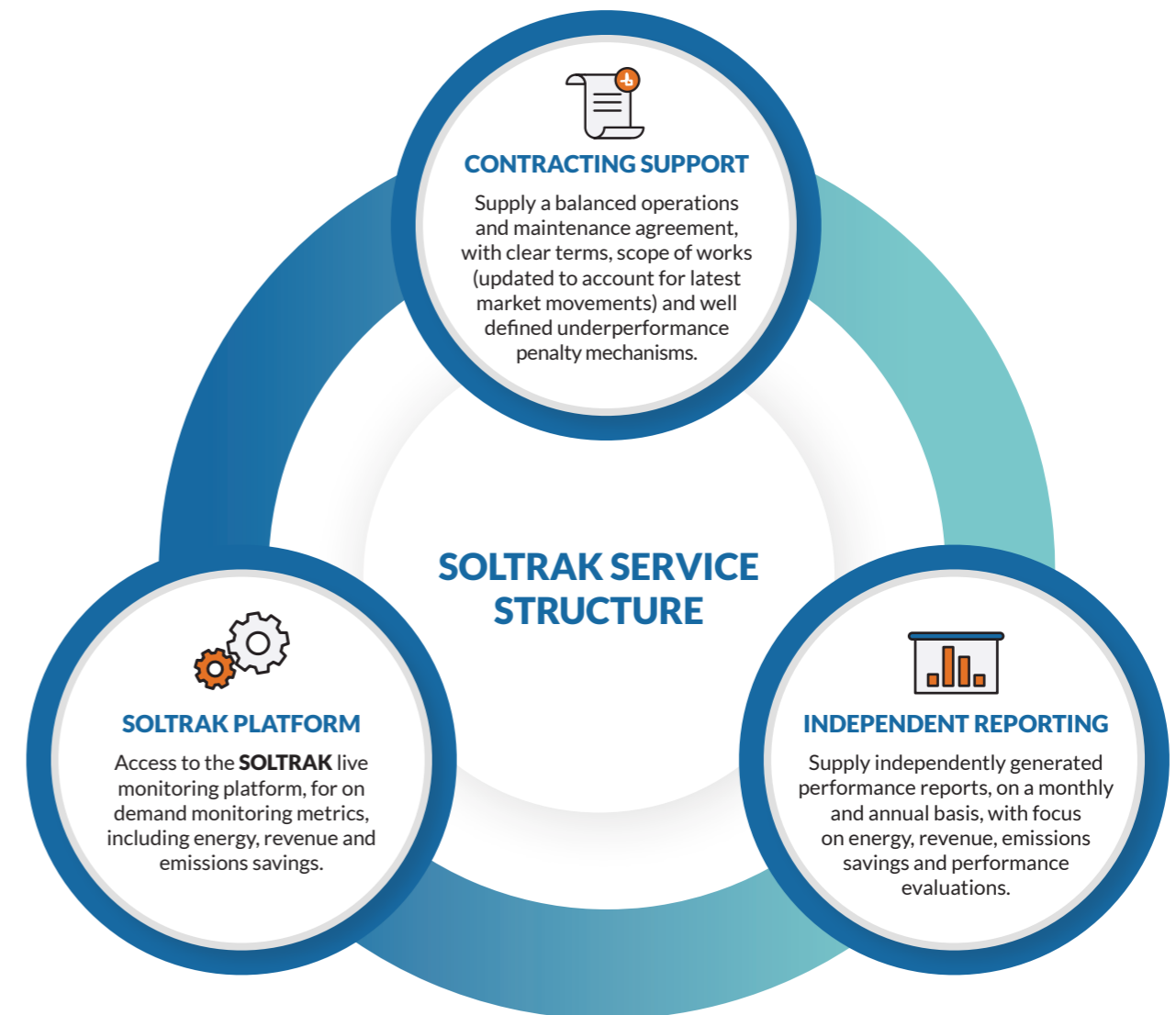
VULNERABILITY	CONVENTIONAL CHALLENGE
1. O&M Agreement	<ul style="list-style-type: none"> • Differing contractual terms with different Service Providers. • Lack of clear underperformance verification and penalties. • Poor clarity surrounding: loadshedding events, weather anomalies, and load curtailment. • Inconsistent and vague scope of works. • Long term risk of failure to measurement telemetry impacting guarantees.
2. Reporting	<ul style="list-style-type: none"> • Inconsistent reporting across asset portfolio. • O&M Service Provider's potential conflict of interest (incentive to exaggerate performance). • Impact of loadshedding, weather anomalies and load curtailment often not quantified. • Relevant performance metrics not supplied.
3. Visibility	<ul style="list-style-type: none"> • Performance insight limited to monthly reports. • Available platforms preclude universal access. • Available metrics often too vague or technically onerous for non-specialist interpretation. • Insufficient training provided on interpreting key performance metrics.



» SOLTRAK - THREE SPHERES

SOLTRAK aims to address the challenges owners face in managing the operation of their renewable assets by offering:

- 1 Independent performance reporting for comprehensive insight into an asset's all round performance.
- 2 Support in setting up an O&M agreement between owners and Service Providers with a fair and clear framework to adjudicate underperformance.
- 3 Access to the **SOLTRAK** platform which provides real time access to performance metrics for an asset portfolio in one location.





» PERFORMANCE REPORTS

» OPERATIONS & MAINTENANCE (O&M) AGREEMENT

By providing much needed **contracting support** including a draft O&M agreement, we ensure that the expectations surrounding the performance of the renewable asset are clear, what exceptions can be anticipated during its operation, and how these exceptions shall be dealt with. The agreement, which includes an energy guarantee supplied by the Service Provider, forms the **foundation of the asset's performance**.



Scope of Works



Performance Guarantee



Underperformance Penalty



Bankable Framework



A comparable set of **monthly reports** are generated by our **SOLTRAK** team, which include a comprehensive set of performance metrics. Each monthly report includes the key energy metrics for the **annual assessment** period. An annual report is also issued at the end of each assessment period, detailing the performance of the asset over this duration, including a penalty assessment. Penalties can then be claimed against the energy guarantee for underperformance of the asset.

We understand that technical information and jargon can often be difficult to interpret, SOLTRAK's reports have been developed to provide useful information to both the technical and non-specialist reader.



SOLTRAK PLATFORM

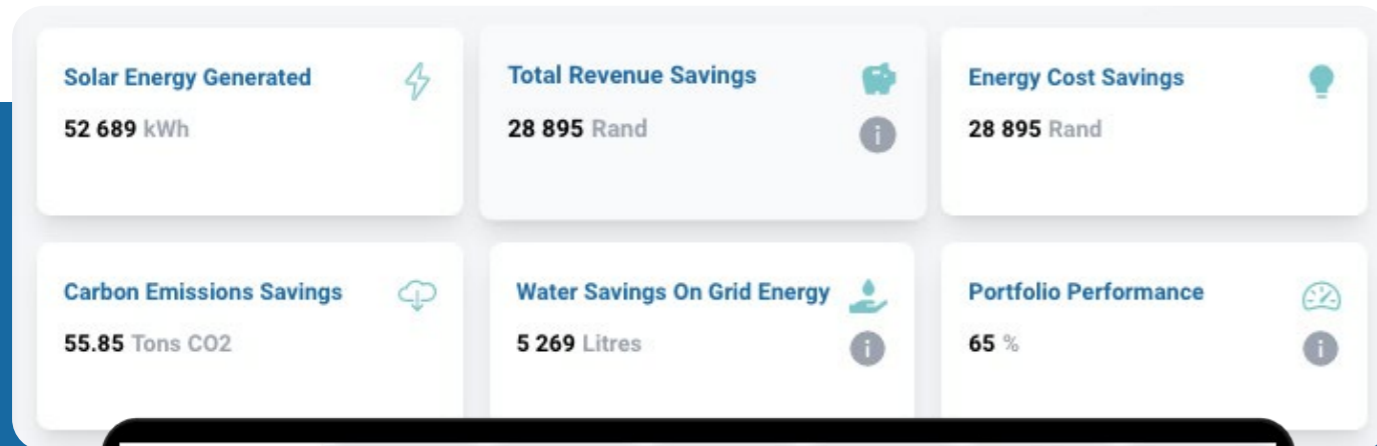
Tracking your energy asset's performance live

Available to you 24/7, the platform will update information in **real time**, and can display data in daily, weekly, monthly, and annual time intervals. Suitable for tracking a single site's performance, or tracking a portfolio of solar PV assets, the **SOLTRAK** platform caters for **monitoring performance at any scale**.

Monitoring an entire portfolio is made easy with the dashboard view, offering functionality for identifying the top and bottom performers in a portfolio, as well as showing the key performance indicators for the portfolio as a whole.



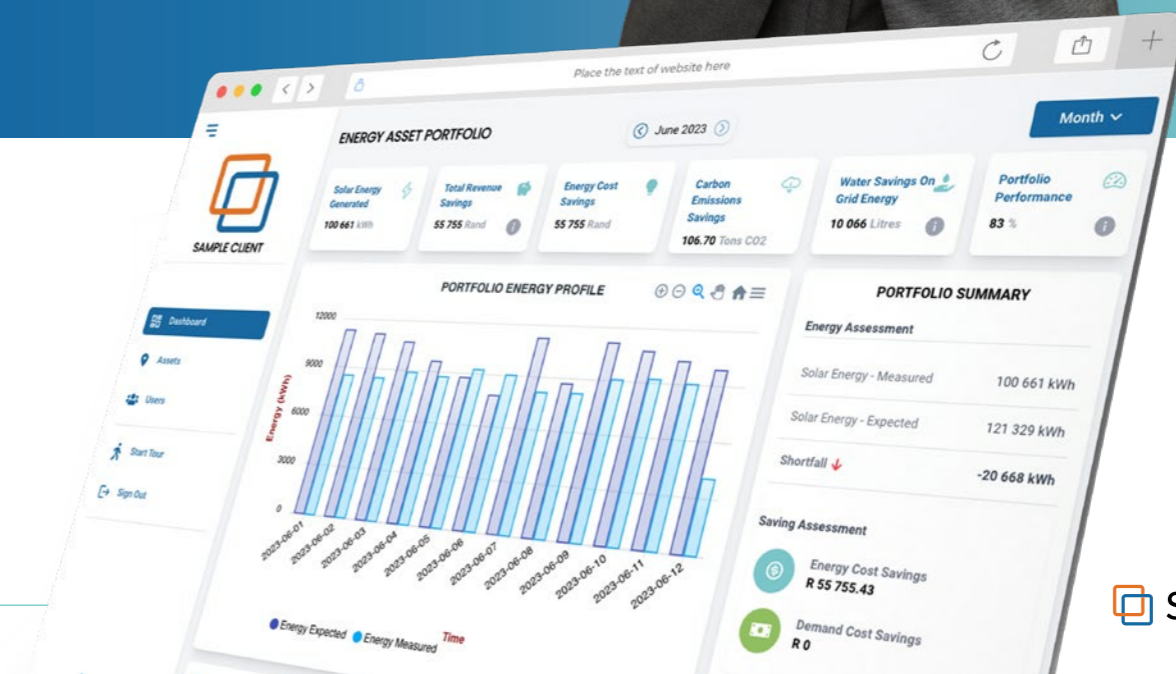
Track your annual performance



[VIEW OUR ONLINE PORTAL](#)

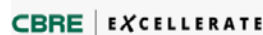
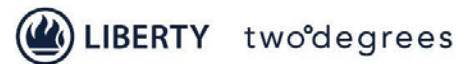
The **SOLTRAK** platform delivers on **demand monitoring metrics** which allow owners to easily track how their solar assets are performing, using **key performance indicators** such as:

- Solar energy generated
- Total revenue savings
- Energy cost savings
- Carbon emissions savings
- Water savings, and
- Expected vs Measured generation



>> AFFILIATIONS

SOLTRAK is affiliated with SOLINK, a specialised renewable energy consultant. SOLINK is a facilitator that assists C&I companies in taking renewable energy and storage projects from feasibility to commissioning. SOLINK has extensive knowledge of all the major suppliers in the market, the latest technologies, current legislation, and legal requirements, as well as system construction and financing costs. SOLINK takes the risk, time and expense out of procuring renewable energy solutions.



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