

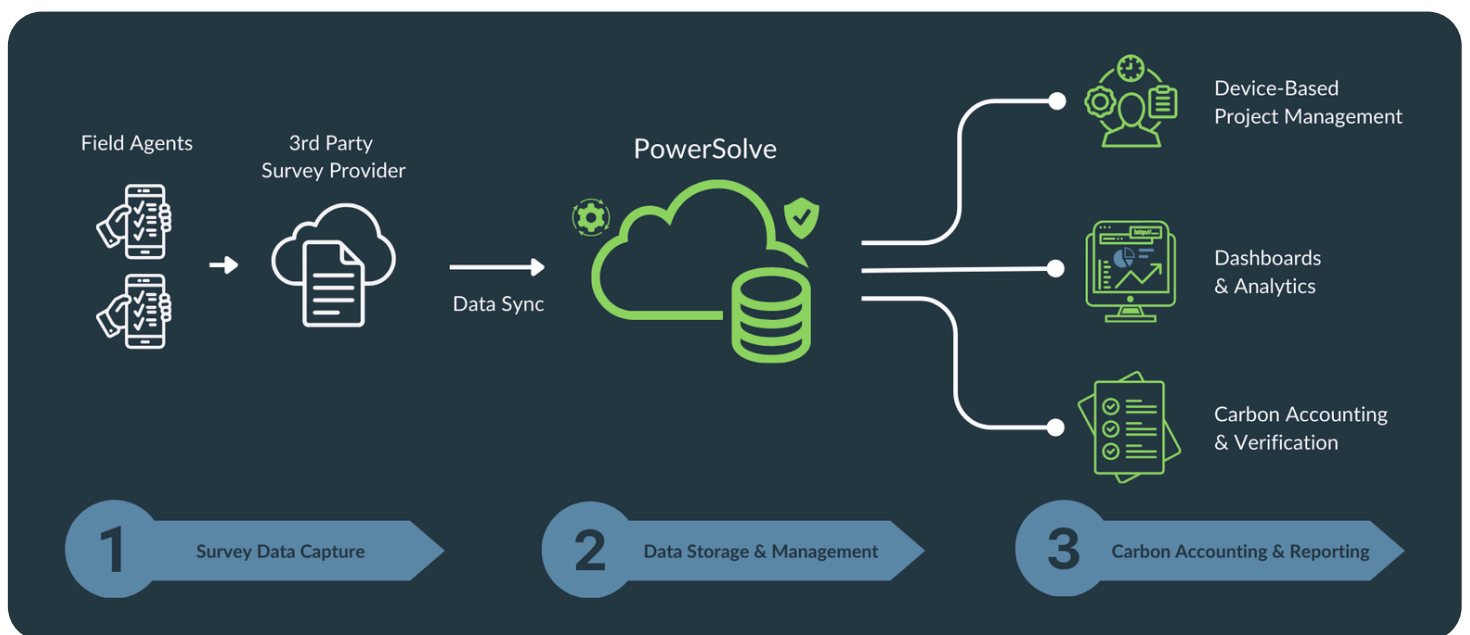
## ABOUT

PowerSolve is a secure cloud-based, dMRV platform designed for carbon project data management and carbon offset modelling, with an auditable data trail for high quality, traceable carbon credit issuance and verification.



## HOW POWERSOLVE WORKS

PowerSolve captures cookstove, water filter and lightbulb distribution data using 3rd-party survey tools in the field. The data and related images are extracted using APIs and uploaded onto the cloud. The PowerSolve UI provides access to a suite of tailor-made tools to manage, monitor and analyse project data, enabling you to prepare projects for verification and improve the traceability and quality of your emission reduction data.



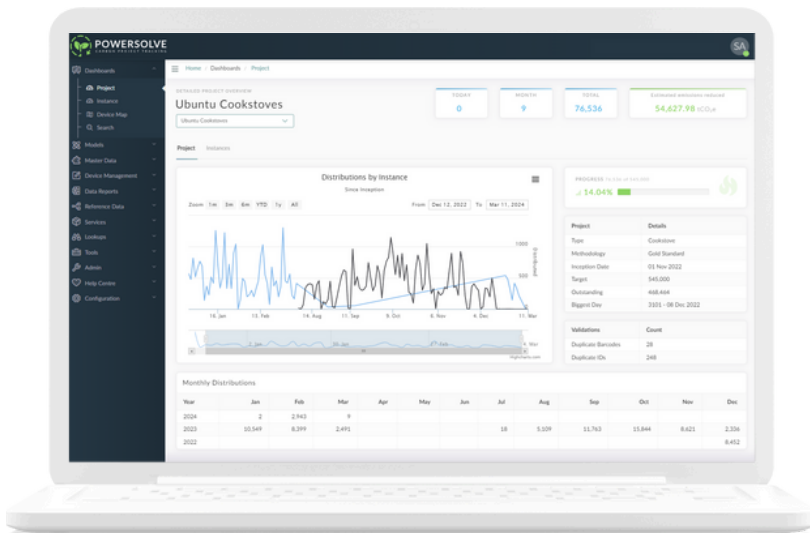
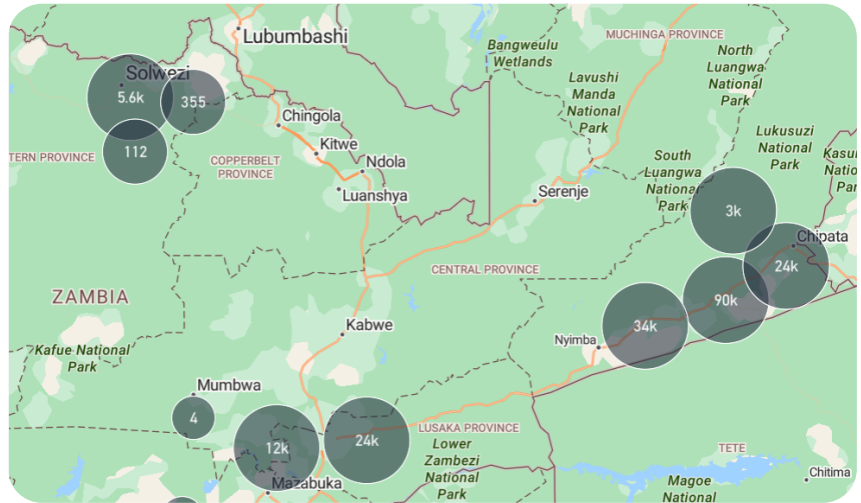
"PowerSolve's integrated data management platform delivers transparent and verifiable data that translates into high quality carbon credits'."

Shelly E. Ceo TASC Africa



## SET-UP AND MONITORING

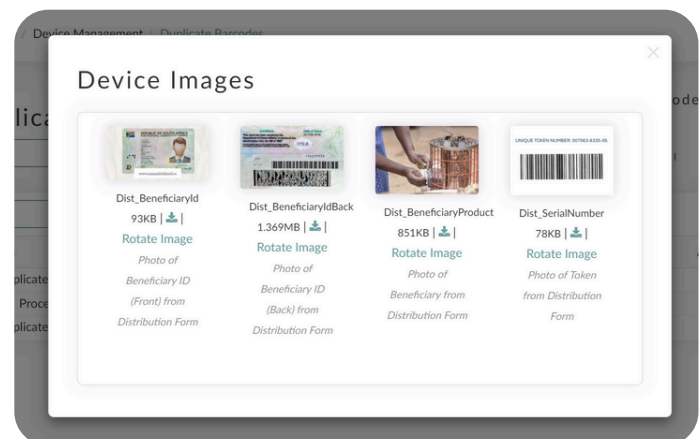
- Easily import existing projects or set up and configure new ones.
- Monitor distribution progress with live dashboards and interactive geomaps.
- Track carbon ER goals and send automated investor snapshot emails.



- Locate devices easily with a robust search interface, and auto generate end-user agreements or other custom project forms.
- Role-based security allows for safe access to appropriate information for project managers, implementers and technical teams.
- Trust in one single source of truth throughout your project data's lifecycle.

## DEVICE DATA MANAGEMENT

- Manage device data and access stored images of beneficiaries and device barcodes captured in the field.
- Swiftly resolve duplicate data issues before devices are processed for emission reduction calculations.
- Every device stores all of its related information on an individual device timeline, with timestamped records.



## REPORTS & MODEL CALCULATIONS

- Generate verification reports in formats that are easily consumed by verification bodies.
- Model current and future project outcomes and projected issuance to interrogate project feasibility.
- Download audit reports, distribution analytics to assess distribution team and field worker effectiveness.

Cookstove Project - Gold Standard

Inputs			Outcome		
Input Parameters	Units	Value	Measure	Value	
EPfuCO2	kgCO2e/TJ	132	Avg. kWh per device per annum	7.46	
EPfuNonCO2	kgCO2e/TJ	36.23	Avg. Fuel Savings (\$ per Household)	4.56	
NCVwood	\$/tspine of wood	0.0345	No. of kWh	1,383	
η <sub>grid</sub>	fraction	0.1			
η <sub>pv</sub>	fraction	0.95			
η <sub>new</sub>	fraction	0.9755			

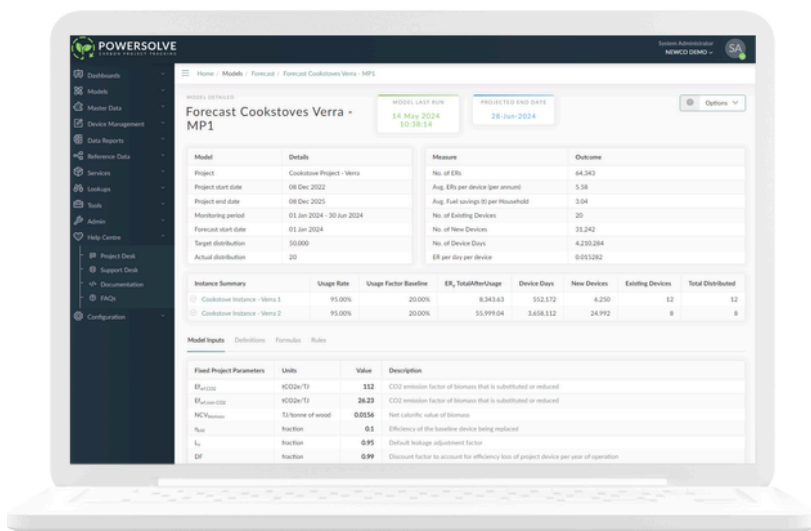
  

VPA Summary						
Instance	Usage Rate	Baseline Usage Factor	Device Days	New Devices	Existing	Total
Cookstove Instance - Gold Standard	94%	21%	97,000	748	100	848
<b>Total</b>			<b>97,000</b>	<b>748</b>	<b>100</b>	<b>848</b>

ERs By Year									
Year	EPfu_FuelCO2	EPfu_FuelNonCO2	Fu_Savings	PMR, k, y	ERs_P_V_CO2	ERs_P_V_NonCO2	EPfuPerDevicePerDay	TechDays	Value
2023	1.624000	0.422563	4.5600	0.8500	6.294624	1.645731	0.002749	1,018	382
2024	1.624000	0.422563	4.5600	0.8500	6.294624	1.645731	0.002749	97,000	1,980
<b>Total</b>								<b>97,000</b>	<b>1,980</b>

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- Model current and future projects, under different input parameters. Automate your ER calculations.
- Current models use Verra VMR0006, VM0050 and Gold Standard Cookstove and Water Filter methodologies.
- Improve the management of project pipelines and cashflows. No more messy spreadsheets or versioning issues.

## CURRENT PROJECTS



Countries

6



Projects

12



Cookstoves

1,144,055



Water filters

152,110