Introduction to carbonTRACK

carbonTRACK is an Australian unlisted public company which is disrupting the energy sector globally with patented technology that creates a decentralised energy ecosystem by connecting energy generators, energy distributors and energy consumers.

Benefits of technology

carbonTRACK's platform unlocks multiple revenue streams for Independent System Operators (ISOs), energy aggregators, renewable energy financiers and energy traders. By integrating hardware, network infrastructure, control systems with its powerful machine learning and predictive engine which uses highly secure cellular communication, carbonTRACK provides low cost, reliable and scalable energy intelligence.

Brief back story

carbonTRACK unveiled its prototype gateway in 2011 in South Africa, followed by three years of comprehensive field testing in Australia and South Africa. Since then, carbonTRACK has installed its Smart Gateways across Australia, New Zealand, South Africa, Botswana, Namibia, Kenya, USA & the UK. carbonTRACK commenced trials in the USA in late 2018 with about 300 gateways installed for a range of use-cases in California, Arizona and Puerto Rico. carbonTRACK's smart energy management solution is now commercially available in the USA as a subscription-based platform that enables solar businesses to successfully transition from a commoditized asset sales model into a subscription-based energy services solution.

Awards

- ✓ Silver Award for Energy Efficiency in the [2017 Ecologic Awards](#)
- ✓ Clean Growth category win- [2018 UK Tech Rocketship Awards](#)
- ✓ Merit Awards in two categories of the [2019 iAwards Research & Development Project and Industry & Prime Industries](#).

Active markets

With more than 8500 gateways installed globally, carbonTRACK has one of the largest monitored residential PV fleets across Australia, New Zealand and South Africa (*GTM Research 2018*). carbonTRACK uniquely offers an end-to-end virtual power plant solution, which incorporates hardware, firmware & software. It also operates in the USA and the UK.

Differentiators

carbonTRACK's technology easily integrates with third-party hardware, is retrofittable and has independent cellular communication capability.

Opportunities

carbonTRACK is well placed to take advantage of the growing global focus on a de-centralized energy ecosystem with growth in solar, battery-based energy storage and microgrids. The global demand response management segment is expected to record significant growth from 2019-2025 due to the increasing adoption of demand response management solutions for scheduling, monitoring, and controlling Distributed Energy Resources (DERs)-*Aug 2019 GVR*.

About carbonTRACK

carbonTRACK's technology delivers the intelligent energy management systems that facilitate embedded networks, Virtual Power Plants, and smart grids, enabling individuals, communities, businesses, and countries to harness legacy and renewable energy and harvest the benefits.