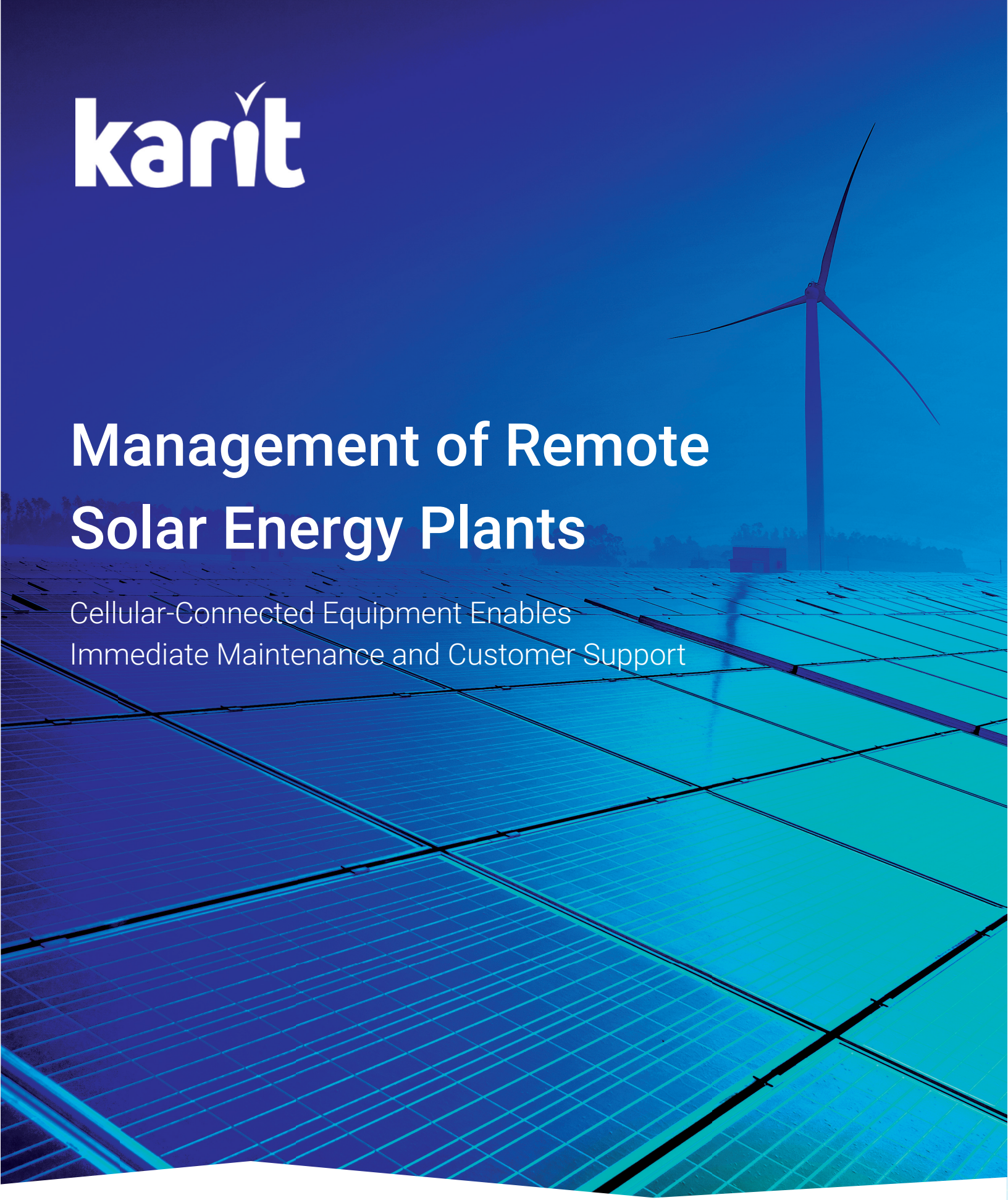
karit

Management of Remote Solar Energy Plants

Cellular-Connected Equipment Enables Immediate Maintenance and Customer Support



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Case Study

Rapidly-expanding technology needed secure remote access to succeed

Australasia-based Karit is a technology supplier that builds virtual power plants that harness energy through a network of solar panels connected to its cloud-based Virtual Power Plant platform and its Karit Cake Energy Management Device. Through its virtual private internet solution, Karit is able to remotely monitor, update, triage and resolve software issues throughout its network to ensure their products are always operating at maximum efficiency.

karit

Karit's Virtual Power Plant allows businesses and communities to generate their own renewable electricity (predominantly through solar panels and batteries) and share it amongst themselves, while selling any surplus energy back to their country's national grid. Karit works with a variety of customers including large commercial and industrial companies, energy retailers, and micro and community grids throughout Australia and New Zealand.

A typical customer is an energy retailer/generator that wants to add a virtual power plant to the generation mix or a large multi-site commercial or industrial business that wants to access the benefits of distributed energy assets like solar panels and energy storage across their portfolio of energy connections.

Top 3 reasons Karit chose remote.it

1. Remote access to energy management devices at the edge of the electricity grid
2. Ability to remotely update software eliminates costly onsite updating
3. Ability to monitor and interact with software from any mobile device

Customer Challenge

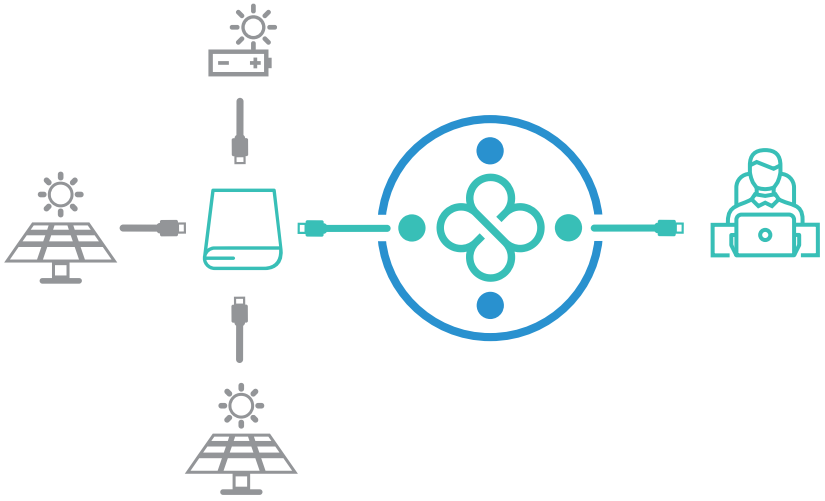
Karit was in the planning stages of what would eventually become its Virtual Power Plant product. Karit has proprietary software that resides on each of its energy management devices and its cloud-based Virtual Power Plant platform is also proprietary. Company executives knew they needed a robust wireless communications network that could provide secure communication capabilities to its remote solar power cells and batteries.

remote.it Solution Overview

Karit has been using remote.it's VPI solution platform since 2018 to provide remote maintenance and update support for its solar panel and battery network. Karit needed a secure internet solution that could scale up to its growing number of solar cell sites. In the very near future Karit is expected to increase its footprint to hundreds of connected energy sites. As the network continues to grow, Karit will need to quickly communicate with devices that require management due to performance issues so that customer sites remain online and available to the markets they serve.

remote.it Solution Benefits at-a-glance

- remote.it makes it easy to remotely restart devices in order to perform system updates
- The process of integrating Karit's technology with remote.it's solution was extremely easy
- The secure, cloud-based solution provided through remote.it allows Karit to provide its customers with real-time energy information and realize significant savings from installing solar and storage solutions



Karit has been using remote.it's VPI solution platform to provide remote maintenance and update support for its solar panel and battery network.

remote.it's vision is to help telcos, ISPs, enterprises, and their channel partners to extend today's conventional internet into a secure, private one so connected assets, business, IP, and partners can be protected from exposure, theft, or attacks.

We started by empowering each connected device with its own protected, 'device DNS' and are taking that same concept to a global scale to provide 'private or personal' DNS which extends to anything done on the Internet. We work with other visionary companies to secure their connectivity and security on the conventional internet. Connect with us today to build a better Internet for all.

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For further information, contact your account rep or reach us at sales@remote.it

https://remote.it