STRATA RESILIENCE

Strata Resilience is a software-based microgrid manager that monitors and controls Distributed Energy Resource (DERs) in order to enable grid connected, islanded, and black start operations. It can maximize the value of microgrid assets by enabling grid services, electricity market participation, and the optimization of assets. Deployed on ruggedized hardware on-site, it offers both localized energy resiliency and the opportunity to unlock stacked revenue through intelligent management of DERs.

The role of microgrids as a means to addressing energy and energy price security through low carbon technologies will increase as both remote communities and the industry at large seek to harden their supply in the face of increasingly severe extreme weather events. The deployment of microgrids must fuse expert design and consulting to ensure adequate capacity and performance through fast-acting grid-forming DER managed by Strata Resilience. Additional stacked values can then be unlocked through the use of advanced analytics and optimization.

Increase energy and security and maximize the value of DER:

- Streamline design and coordination of DER to provide localized energy security
- Maximize the utilization and revenue of DER assets while grid connected or islanded
- Leverage protection, control and synchronising hardware for seamless island transitions

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SOLUTIONS

» RENEWABLE AND DISTRIBUTED GENERATION

Ongoing management and control of diverse renewables and distributed generation through a variety of communications protocols.

» BATTERIES

Enabling of grid islanding, docking, black start. Solutions for revenue optimization and revenue stacking of utility scale and residential batteries.

» ELECTRIC VEHICLES

Solutions for off-street commercial and residential charging infrastructure connections.

» ADVANCED ANALYTICS

Solutions to forecast and optimize the use of diverse DER to maximize utilization and revenue.

» MICROGRIDS

Solutions to optimize mixed DER sites as interconnected or non-interconnected microgrids.

CUSTOMERS

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