

BC Automation

ReEnergy™ – Scalable Intelligence for Critical Energy Infrastructure

Tech Primer - 07/09/25

Energy isn't static. ReEnergy™ makes it adaptive.

ReEnergy™ enables clean, resilient energy orchestration across critical infrastructure. It adapts in real time to changing conditions — preserving uptime, capturing waste, and securing telemetry. Designed for dynamic deployment — from retail centers and campus infrastructure to disconnected, renewable-heavy, and regulation-sensitive environments — ReEnergy™ supports edge intelligence, renewable overspill capture, regenerative load harvesting, and trusted ESG reporting. And it goes further: enabling the collection of shed renewable energy, harvesting of regenerative industrial loads, and deployment in air-gapped or grid-independent zones.



PROBLEM: Energy infrastructure is reactive, fragmented, and wasteful.

- Grid instability often goes undetected or unrecorded
- Solar overspill and regenerative loads are wasted without buffering
- Distributed assets (EVs, UPS, BESS) are siloed and underutilized
- Compliance and traceability are still manual, error-prone, or nonexistent

SOLUTION: Make energy programmable, collectible, and resilient.

- ReEnergy™ captures and encrypts telemetry across energy generation, storage, and use
- Edge logic orchestrates loads, balances priorities, and recovers unused energy
- Custody Public-facing dashboards provide transparency, alerts, and stakeholder insight
- Works in offline, hybrid, or full-grid scenarios — protocol-flexible and hardware-neutral

OUR IMPACT: Energy you can prove, control, and evolve.

ReEnergy™ use cases include:

- Cold chain and logistics environments
- EV fleet and retail carport installations
- Campus energy labs and training sites
- Manufacturing-tied BESS zones
- Hospitality and venue power continuity systems

Its structure allows:

- Public/private/municipal partnership deployments
- ESG-compliant investment frameworks
- Forking into open-source or community energy models
- ReEnergy™ isn't just an offering. It's the future of scalable, sovereign energy intelligence

95+

clients served

625+

unique processes automated

\$3.8B+

client dollars saved

"A huge asset to any company looking to improve their cost and reliability."

Chris Whitehair
SVP Global Operations at SunOpta

"[BC Automation's] solutions are most thorough and comprehensive."

Ned Mitenius
Founder & Sr Consultant at Periscope Consulting

Let's Transform Your Manufacturing Together.



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