



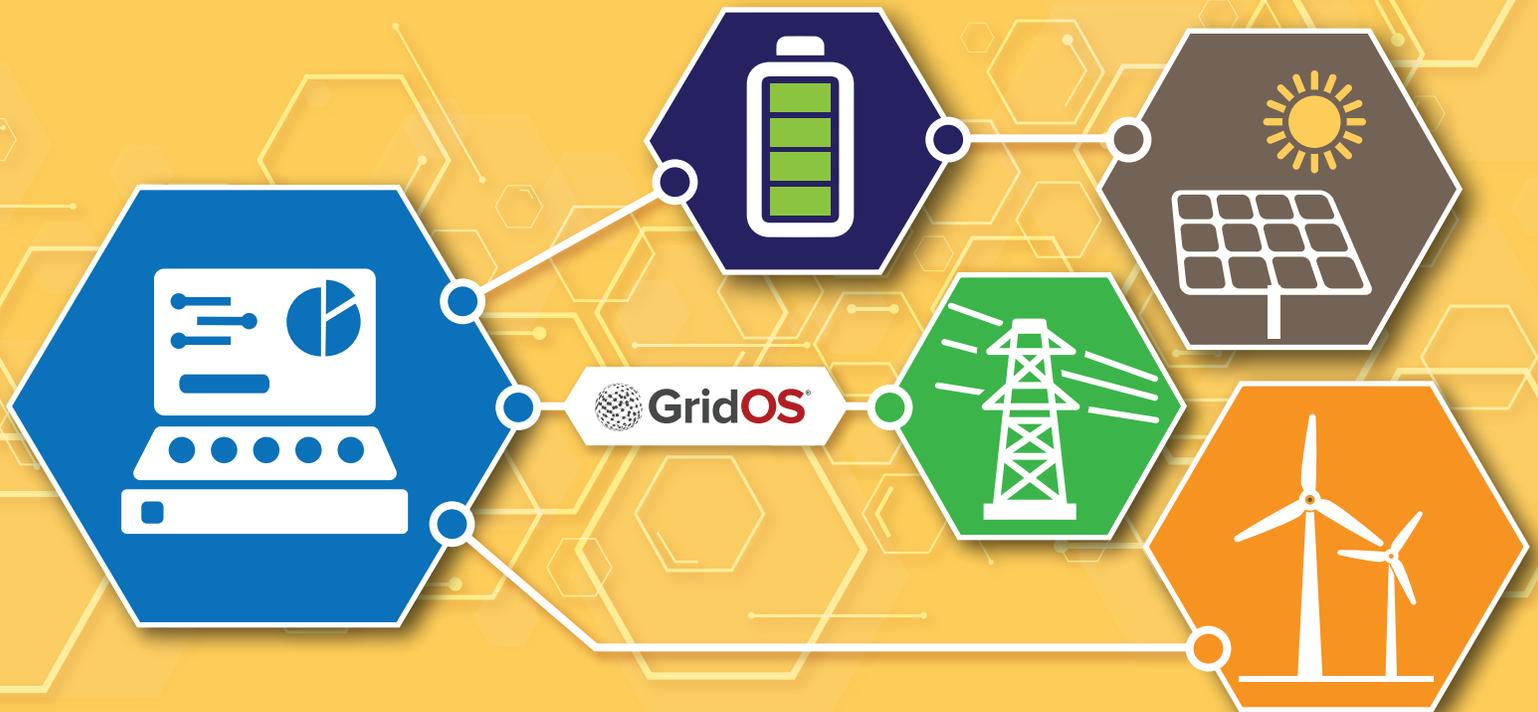
The Edison Foundation

INSTITUTE for
ELECTRIC INNOVATION

IEI Technology Partner Snapshot



Opus One Solutions helps electric companies plan and manage an increasingly distributed and digital energy grid. Opus One's software platform, GridOS, gives electric companies control of the distribution grid in real-time, helping achieve greater penetration of distributed energy resources and optimize demand side management programs through model-based, 3-phase AC unbalanced decision making.



How Opus One Solutions is Partnering with Electric Companies:

Hawaiian Electric Company (HECO)

HECO partnered with Opus One to help integrate a growing number of distributed energy resources, improve operational efficiency, and increase grid reliability and stability. HECO system engineers and operators identify areas of the grid that can accommodate increased DER capacity to more efficiently plan system upgrades, ultimately helping move toward Hawaii and HECO's goal of 100% renewable energy.

National Grid

National Grid partnered with Opus One to pilot a distributed system platform at the Buffalo Niagara Medical Campus (BNMC), which represents nearly 36 MW of peak load and 19 MW of DER capacity across four distribution feeders. Opus One's GridOS software helps operate a distribution-level transactive energy marketplace by creating transparent and granular economic signals, enabling National Grid to operate participating DERs and building loads for the benefit of the overall grid.

Emera Maine

Emera Maine partnered with Opus One to build a combined storage and solar microgrid at Emera Maine's Hampden Operations Center. The microgrid will include solar generation, a Tesla battery storage system, a level two electric vehicle charging station, and an advanced microgrid controller. The microgrid also ensures system reliability and helps manage distribution feeder load, achieving cost savings and possibly deferring additional expenditures.

Nova Scotia Power

Nova Scotia Power partnered with Opus One Solutions and Tesla Energy to pilot a distributed energy management system that integrates substation battery storage, customer-sited battery storage and wind energy, allowing ten residential sites with Tesla Powerwall to backup power services and off-peak energy management. The 1.25 MW substation battery helps integrate wind resources onto the energy grid, while Opus One software enables substation and residential battery storage system management, creating situational awareness on an entire feeder.