



ENCYCLE

INTELLIGENT BUILDINGS MADE EASY

The most reliable, revenue driving technology for
Automated Demand Response, with unmatched
visibility.

SWARM DR™

EMBRACE THE FUTURE OF DEMAND RESPONSE

Gain complete visibility and control over Demand Response strategies, events and connected resources, through the deployment of robust, reliable technologies that maximize the use of current infrastructures.

Encycle's Demand Response solutions allow customers to instantly turn their buildings into revenue generating assets, through participation in Demand Response programs. Swarm DR technology is fully OpenADR 2.0b certified and Encycle has been an active member of OpenADR Alliance since 2011. Swarm DR will be OpenADR 3.0 certified upon its release.

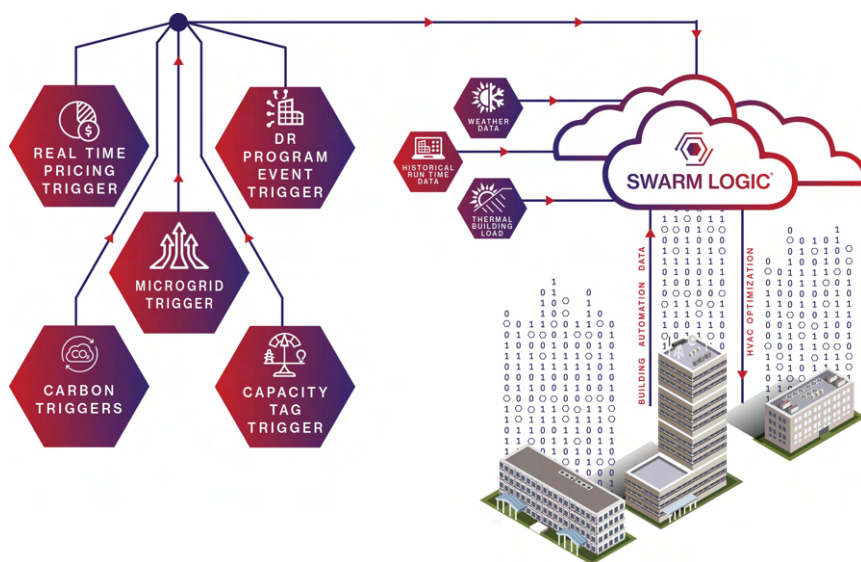
Swarm DR deploys within an hour and is ready to receive either Manual or Automated dispatch signals immediately. Robust communication protocols allow for quick response times, regardless of program participation notification windows and added layers of sophistication are enabled to prevent sites from suffering from pre and post Demand Response false peak creation.

Swarm DR provides building operators and facility managers with reliable Demand Response dispatch, increasing participation revenue recognition.

RELIABLE ARCHITECTURE THAT DELIVERS RESULTS

Encycle's OpenADR infrastructure is second to none in the industry and allows customers access to not only participate in demand response events as all events are fully automated, regardless of building location, but to also unlock the future of demand response through additional participation in real-time pricing markets or further decarbonization of energy use based on grid generation supply mix.

All of the above is quickly and easily dispatched through energy management systems or connected thermostats, with no need for additional hardware.



REAL-TIME PERFORMANCE REPORTING

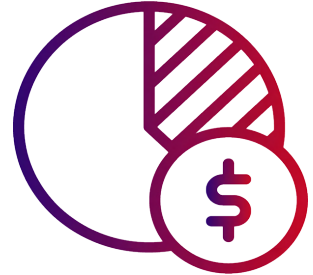
SWARM LOGIC's industry leading virtual power modelling enables SWARM DR™'s real-time reporting on HVAC performance during demand response events, providing unprecedented visibility into expected outcomes.

Gone are the days of the 3-to-9-month delay on utility reporting before knowing whether an event was successful, often leading to entire Demand Response revenues being forfeit. Encycle works closely with customers to identify potential problem sites that are not meeting their demand response load shed targets and works with them to remediate future participation results.

DEMAND RESPONSE INCENTIVE PROCESSING

Encycle's team of utility incentive professionals is able to assist customers with automated demand response incentives applications, managing the entire process from initial application through to final M&V. We do the heavy lifting here and navigate the differing processes and documentation requirements across the utilities.

These utility incentives can help customers offset most hardware and software deployment costs, as well as the resources needed to install and deploy these systems. Encycle is happy to provide customers with further information and guide you through the process.



SWARM DR BENEFITS



Ensure HVAC bid values are accurate, maximizing revenue recognition



Graceful event exit to avoid rebound peaks



Incentive processing to offset hardware and software upgrades



Drive additional carbon offset while generating revenue



Easy, simple Demand Response program participation



Fully automated Demand Response regardless of program



Real time HVAC load reduction reporting ensuring early detection of load drop issues

About Encycle:

Deploying autonomous intelligence and analytics, Encycle improves commercial HVAC management, energy efficiency and building comfort to reduce operating costs and carbon footprint. As the only utility-endorsed HVAC optimization software, our patented machine learning solutions seamlessly integrate into maintenance workflows. Encycle enables multi-site commercial and industrial companies to maximize efficiency and reach sustainability goals by improving energy use and budgetary spend decisions.

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