



# blackPAC

## Distributed Energy Resource Management System (DERMS)

- A fully distributed, scalable and secure enterprise energy management platform built on the Siemens J2 Innovations platform.
- It integrates with existing data systems to present, communicate, and perform analytics to control carbon emissions and commodity costs using open, interoperable IoT Edge and Cloud technology.

## Next Level Energy Intelligence

- Cost & Consumption Tracking**  
Gain real-time visibility and identify savings opportunities across your facility portfolio
- Sustainability Reporting**  
Understand your CO<sub>2</sub> footprint and easily measure emissions for reporting your path to net zero
- Simple, User-Friendly Interface**  
Easy-to-navigate desktop and mobile applications offer an intuitive user experience
- Flexible & Customizable**  
Address the unique needs of your facility and its systems while easily scaling by adding modules
- Unify Disparate Systems**  
Merge and standardize the management and control of multiple systems
- Unrivaled Data Security**  
End-to-end encryption for secure remote access to your portfolio

## 9 blackPAC Modules

Pick and choose from the eight blackPAC modules that best suit your organization's needs



### Enterprise

Portfolio-wide dashboard for enterprise management, carbon and energy reporting and overall performance. Ability to drill down at site, building and meter level



### Utility

Live utility meter monitoring with targeting and M&V tools



### liveICI

Peak tracking and prediction service for ICI savings with real time alerts and notifications for peak events



### activeICI

Active and automated building demand management & peak shifting for ICI savings



### Solar

Live solar PV monitoring with targeting and M&V tools



### Optimize

Automated real-time optimization of building systems, using AI for continuous improvement



### Carbon

Emissions tracking and reporting for live and historical data



### activeDER

Automated management, coordination and control of renewable distributed energy resources



### Drive

Automated management and control of electric vehicles & peak shaving for ICI savings

## How blackPAC works

Get started in 4 easy steps:

### Assess

Our team determines how best to meet your unique needs, proposing the right modules for your facility.

### Install

Streamlined installation process and upload of your historical data.

### Launch

System goes live - enabling real-time performance dashboard, tracking and alerts.

### Expand & Optimize

Scale and augment with new modules easily added on, including machine learning-enabled Optimize module.