

A nighttime photograph of a city street with light trails from cars. Overlaid on the image are several futuristic UI elements, including circular gauges and connecting lines, suggesting a digital or data-driven theme.

# ALIGNING YOUR FACILITY, FLEET, AND ENERGY INFRASTRUCTURE TO OPTIMIZE OPERATIONS AND REDUCE COSTS

**Your energy infrastructure  
should work to best serve your  
organizational needs**

**GridMarket, a powerful project partner  
maximizing project benefits & PLM, the  
leader in lease, rental & maintenance  
service for hybrid refrigerated transport  
equipment have partnered to provide  
efficient, profitable-energy ecosystem  
solutions for Refrigerated Warehouses  
and Distribution Centers**

*Capitalize on immediate opportunities to  
reduce operating expenses and position your  
facility to be better prepared for future fleet  
electrification initiatives*

## **Reduce Your Facility's Operating Costs with Onsite Energy Generation and Storage**

Technologies like solar PV, battery storage, combined heat and power, fuel cells, and more can provide a number of economic and operational benefits

## **Improve Efficiency by Electrifying Your Facility**

Distributed energy technologies provide critical backup generation and resiliency to keep your facility powered even if the centralized grid goes down

## **Deploy Projects With Zero Money Down**

A variety of viable project structures and financing options mean you can implement distributed energy solutions with little to no upfront costs

## **Electric Vehicle Yard Management**

Fleet management solutions to move your tractors and refrigerated trailers to an alternative energy source. Installing distributed energy charging stations in your yard will not disrupt standard day-to-day operations, just improve your efficiencies, compliance and result in overall cost savings

# Cost Savings For Cold Storage Facilities

The GridMarket platform is being deployed at properties around the world to help all types of energy consumers address cost, resiliency, and sustainability issues. Cold storage facilities have the unique opportunity to realize substantial energy and cost savings through distributed energy technology integration. By sizing DER projects at the facility level, GridMarket, PLM and Marubeni can work with facility partners to develop an energy strategy that reduces operating expenses and increases site efficiency and resiliency.

*GridMarket's energy optimization platform runs the full spectrum of viable energy scenarios at your facility to design a comprehensive, coordinated energy system that reduces costs and enables a transition to an electrified future*

## STAY ON THE ROAD

Improve the resiliency of your site and fleet

## SAVE MONEY

Reduce electricity and fuel costs

## GREEN OPERATIONS

Exceed sustainability targets or mandates

## THE GRIDMARKET PLATFORM CAN:

- Recommend optimized distributed energy solutions to achieve the greatest value for each unique site
- Facilitate a smooth transition with low-lift infrastructure upgrades that do not interfere with standard dock operations and existing logistics
- Identify project partners from GridMarket's existing network of leading technology providers and financiers that will offer rapid, streamlined project development on the best available terms
- Help cold storage facilities integrate technologies that provide immediate economic and operational value, and also prepare facilities to easily meet sustainability and electrification mandates in the future

## SAMPLE OPPORTUNITY CASE STUDY

Demonstrating the tangible value distributed energy resources can provide across cold storage facility infrastructure

Project Opportunity—On-Site Assets	
Solar PV	2,931 kW
Battery Storage	1,000 kWh
Combined Heat & Power	200 kW
Dock & Yard Electrification	94 Stations
Capital Purchase	Full Microgrid
Payback Period	5.48 Years
IRR %	16.41%
Total Project Cost (Post incentives)	\$4,208,135
1 <sup>st</sup> Year Net Revenue	\$589,803
Total 25-Year Net Revenue	\$15,000,481
PPA	Full Microgrid
Project Cost to Customer	\$0
Year One Savings	\$77,581
25-Year Savings	\$2,722,592

