



## How much energy is being lost at your loading dock?

When looking at the gaps around your dock levelers and overhead doors, a single opening could have as much as 2 sq. ft. of space unprotected against the elements. Identifying opportunities and installing energy efficiency upgrades can not only save on operating costs - they can improve your dock environment, providing comfort and reduce the building's environmental footprint, too.

### Find your potential cost savings!

Schedule an Energy Assessment for your facility today and learn more about energy rebate programs available in your area.

Visit [Minercorp.com/EnergyAssessment](http://Minercorp.com/EnergyAssessment) to get started today!



### Draft Protection

When weather seals and draft pads are installed in exposed areas of your loading dock door and pit, facility heating and cooling costs are reduced, resulting in potential energy savings of up to \$1,000 per loading bay per year.



### Quick ROI

Our energy assessment helps identify issues and recommend protective solutions that could help you recoup hundreds of dollars every year on your heating and cooling costs. Depending on climate and number of seals and pads installed, typical payback is 6 to 24 months.



### Energy Rebates

Many federal, state, and local programs offer rebates and other incentives for projects and buildings that demonstrate energy-efficiency. Incentives include tax credits, developer grants, and low-interest loans.

# WAREHOUSE ENERGY OPTIMIZATION: Proven Tips & Strategies

Improving energy efficiency for warehouse and cold storage doors can lead to significant cost savings and a reduced environmental footprint. Here are some practical tips to enhance the energy efficiency of these critical components:

## Insulate Doors Properly

**High-Quality Insulation:** Use doors with high R-value insulation to minimize heat transfer. Insulated doors help maintain the desired temperature inside the storage area, reducing the load on HVAC systems.

**Seal Gaps and Cracks:** Ensure that all gaps, cracks, and seams around doors are properly sealed with weatherstripping or door sweeps to prevent air leaks.

## Upgrade to High-Speed Doors

**Rapid Opening and Closing:** High-speed doors open and close quickly, reducing the amount of time the door is open and thus minimizing temperature loss.

**Durable Materials:** Choose high-speed doors made from durable materials that can withstand frequent use and harsh conditions.

## Regular Maintenance and Inspection

**Scheduled Inspections:** Conduct regular inspections of doors and related components to identify and fix issues such as worn-out seals, misaligned tracks, or damaged panels.

**Lubrication and Adjustments:** Regularly lubricate moving parts and make necessary adjustments to ensure smooth operation and prevent energy waste.

## Automated Door Systems

**Sensors and Timers:** Use sensors and timers to automate door operations, ensuring that doors open only when necessary and close promptly.

**Access Control:** Implement access control systems to manage and monitor door usage, reducing unnecessary openings.

## Air Quality Control

**HEPA Filters:** The US Department of Energy requires that a HEPA rated filter must capture 99.97% of particulates as small as 0.3 microns to help reduce airborne pollen, pollution, bacteria, and viruses.

**Air Purification Systems:** Regularly move air through the system capturing airborne contaminants and destratifying the air to help reduce heating and cooling costs.

## Temperature Zoning

**Zone Separation:** Use insulated doors to separate different zones within the warehouse. This reduces the workload on refrigeration units and maintains consistent temperatures.

**Thermal Barriers:** Implement thermal barriers between different zones to further enhance temperature control and energy efficiency.

## Use Air Curtains or Strip Curtains

**Air Curtains:** Install air curtains to create an invisible barrier of air that helps maintain temperature control while allowing easy passage.

**Strip Curtains:** Use strip curtains in conjunction with main doors to reduce air exchange and energy loss during frequent access.

## Optimize Door Placement & Design

**Strategic Placement:** Place doors strategically to minimize exposure to external elements and optimize workflow.

**Dock Seals and Shelters:** Install dock seals and shelters to reduce energy loss during loading and unloading processes.

Schedule an Energy Assessment with MINER and start the journey to reduce your environmental impact, improve operational efficiency and lower operating costs. Visit [Minercorp.com/EnergyAssessment](https://Minercorp.com/EnergyAssessment) to get started today!