



Dock Equipment Marries Safety and Sustainability

Features and Benefits

Energy-efficient components and operation contribute to LEED Certification credits

Automates dock equipment to ensure safe and efficient operation

Durable designs withstand years of heavy volume and use

Minimal maintenance leads to low cost of ownership

Industry Group: Loading Dock Equipment Manufacturers (LODEM)



The Opportunity

With sales locations in 160 countries, this company is a leading global provider of commercial cleaning and hygiene products, as well as solutions for food safety, food and beverage hygiene, floor care, housekeeping and room care, laundry, hand hygiene and industrial cleaning. Their goal was to acquire LEED® Certification for their 550,000 sq. ft. distribution center in Sturtevant, WI, which has staging for 118 tractor trailers and can house 47,000 product pallet loads.

All electricity here is powered by renewable energy, wind or biomass. According to the company's regional warehouse operations manager, "We took into consideration a lot of factors in setting up our dock."

The Solution

The facility set up the dock equipment to work in a predetermined sequence. This sequence includes Kelley® Hydraulic dock levelers and vehicle restraints along with standard dock doors and dock lights – with all of their functions tied together by Kelley Master Control Panels. The company sequenced all of these components so there is a domino effect - the restraint secures the trailer, then the door opens, which then allows the leveler to operate, and lastly the dock light turns on. "We did use our dock equipment to reinforce the energy saving part of our mission," notes operation

management. "What we did was integrate our lights so that a trailer must be in place and the door up before the light comes on. When the truck backs out the light goes off."

The vehicle restraints, along with the Kelley TS Rigid Frame Shelters, assist in maintaining a positively pressured facility, which contributes to LEED Certification Credits in categories such as Indoor Environmental Quality. The combination of vehicle restraints and dock shelters also enabled the company to receive LEED Certification credits without being required to use costly MERF-13 filters, saving them \$100,000 in upfront costs and \$100,000 in annual energy costs.

The company's combination of renewable power sources, vehicle restraints and dock shelters, and automated sequencing of dock equipment all contribute to the sustainable success of its LEED Gold Certified facility.



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