

Large area lighting: leading the way

For nearly 40 years Musco has led with vision and a pioneering spirit—incorporating new technology, such as the LED light source, and engineering new solutions that are complete, industry-leading, and provide new possibilities for customers around the world.

“Whether it’s an HID or LED source, our Green Generation Lighting system is a complete solution,” said Jeff Rogers, President of Musco World. “Our team of lighting certified engineers provide cost-effective designs for each customised system. We offer everything from foundation to pole top—whether they’re new poles or we’re retrofitting onto existing poles. And our Light-Structure Green system includes a compact precast concrete base to help maximise the space around the base of the poles.”

At the heart of Musco’s mission is customisation. Musco understands that no two customers, or projects, are alike. Its global team of trained experts approach each project with an open mind and innovative mindset to ensure that each of its thousands of customers—located on every corner of the globe—is getting a lighting solution that meets its unique needs.

That distinctive level of customisation is matched by the kind of leading-edge technology and engineering that consistently pushes the boundaries. Musco’s advanced optics and unique reflectors for its systems deliver lighting with pinpoint precision and dramatically reduce spill light and glare. For instance, when Musco installed its LED system at the East Span of the San Francisco-Oakland Bay Bridge, each of the more than 48,000 LEDs were aimed and directed in a way that created an even wash of light across the roadway, significantly reducing glare and making it safer for the 300,000 drivers who cross the bridge daily.

Another aspect that sets Musco apart is the company’s longheld belief that the completion of an installation signals not the end, but the beginning

of a partnership. With Musco’s Control-Link Controls and Monitoring system, customers enjoy 24/7 support and assistance.

Control-Link delivers a reliable network of system support, helping customers monitor their system’s performance and manage their facility’s lighting remotely. Musco’s team of trained staff help customers schedule when their systems should be operating and monitor when maintenance is needed.

Through Control-Link, customers enjoy the peace-of-mind that comes with knowing that Musco will be there all day, every day. In fact, Musco operates nearly four million schedules each year for customers around the world, and remote on/off scheduling can be done via the company’s easy-to-use website and mobile app. Control-Link also helps cut energy consumption through efficient scheduling, and eliminates time consuming legwork for facility staff.

Frankenbach Vehicle Logistics Center

In 2014, Musco partnered with the Frankenbach Vehicle Logistics Center in Hesse, Germany, to install a new Light-Structure Green system with an LED light source. Built in 2014, Frankenbach is located near a residential area, and its owners were committed to a broad array of sustainability initiatives. So the facility—which handles approximately 1,500 vehicles at full capacity—needed an energy efficient lighting solution that provided superior light control.

Musco’s LED system proved to be an ideal fit at Frankenbach. Musco’s unparalleled capabilities in directing light helped eliminate off-site spill light and glare into the surrounding residential areas. The LED light source complemented Frankenbach’s commitment to sustainability by increasing the facility’s energy efficiency by reducing energy consumption by 77% compared to typical floodlights. The system’s dimming controls add to its efficiency, allowing for additional

savings when full power isn’t needed.

The installation of Musco’s system fit into the tight schedule of the construction of this facility, ensuring that the lights were operational before the facility opened. With the long life and efficiency of the LED light source, Frankenbach expects to realise a savings of US\$575,136 in operating costs over the next decade. And thanks to Musco’s industry-leading, 10-year comprehensive warranty backed by a global team of trained technicians, maintenance of the new lights at Frankenbach is eliminated.

BNSF Railway Rivergate Terminal

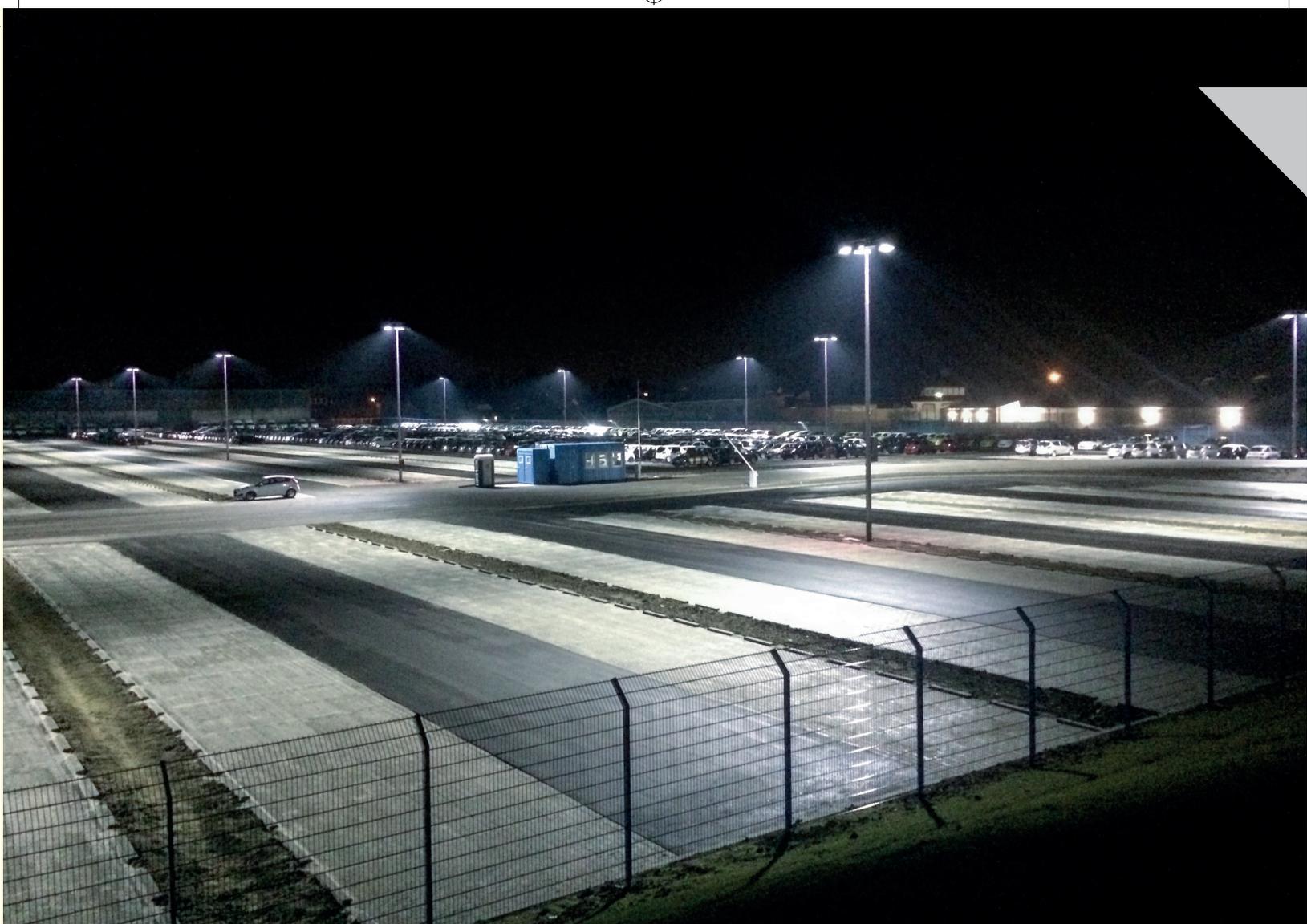
Covering nearly 11 hectares, BNSF Railway’s Rivergate Terminal in Portland, Oregon, has the capacity to handle nearly 1,700 vehicles, and is operational 24/7.

In order to provide a safer work environment, BNSF determined that a new, state-of-the-art lighting system was needed for the Rivergate Terminal. So BNSF identified Musco as the ideal partner, and its Light-Structure Green system with an LED light source as the perfect solution. Having worked with Musco on more than 15 facilities around the United States, BNSF is no stranger to the benefits of Musco’s innovative lighting solutions.

As expected, Musco designed a system that was easy to install, maximised the available space around the poles, and cut off-site spill light and glare. The new LED system significantly reduced energy consumption and eliminated maintenance costs over the next decade.

Leading the way

No other company in the world has brought the vision, innovation, and commitment to providing complete lighting solutions for HID and LED systems as Musco. Whether it’s the largest ports and terminals in the world, major sports venues, or iconic national monuments, they turn to Musco because it’s a proven path to lower operating costs, reduced



Top and bottom right: Frankenbach Vehicle Logistics; Bottom left: BNSF Rivergate

energy consumption, premier light quality, and the most personalised support and service in the industry.

“Our global team of experts is dedicated to always being there for the customer,” said Rogers. “From evaluating the benefits and determining the best system for their needs, to the design, installation, maintenance, and monitoring, our solutions are built specifically for the needs of the facility.”

About the Organisation:

For nearly 40 years, Musco Lighting has specialised in the design and manufacture of sports and large area lighting solutions around the world. Musco has pioneered systems using metal halide and LED technologies that have made dramatic improvements in energy efficiency and provided affordable ways to control spill light and glare. Musco has a global team of experts

that partner with customers to plan, complete, and maintain a cost-effective, trouble-free lighting solution for their facility.

Enquires

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