



DAGR
Case Study

MP700 Multipurpose LED Lights
MP710 Multipurpose LED Lights

Richardson Terminal North Vancouver, BC

>60% reduction in energy consumption
>\$25,000 in annual savings
Project payback under 2 years

Richardson International is Canada's largest, privately-owned agribusiness. Their North Vancouver terminal is recognized as one of the most successful and efficient grain handling facilities in the world - exporting more than 3 million metric tons of grains and oil seeds globally.

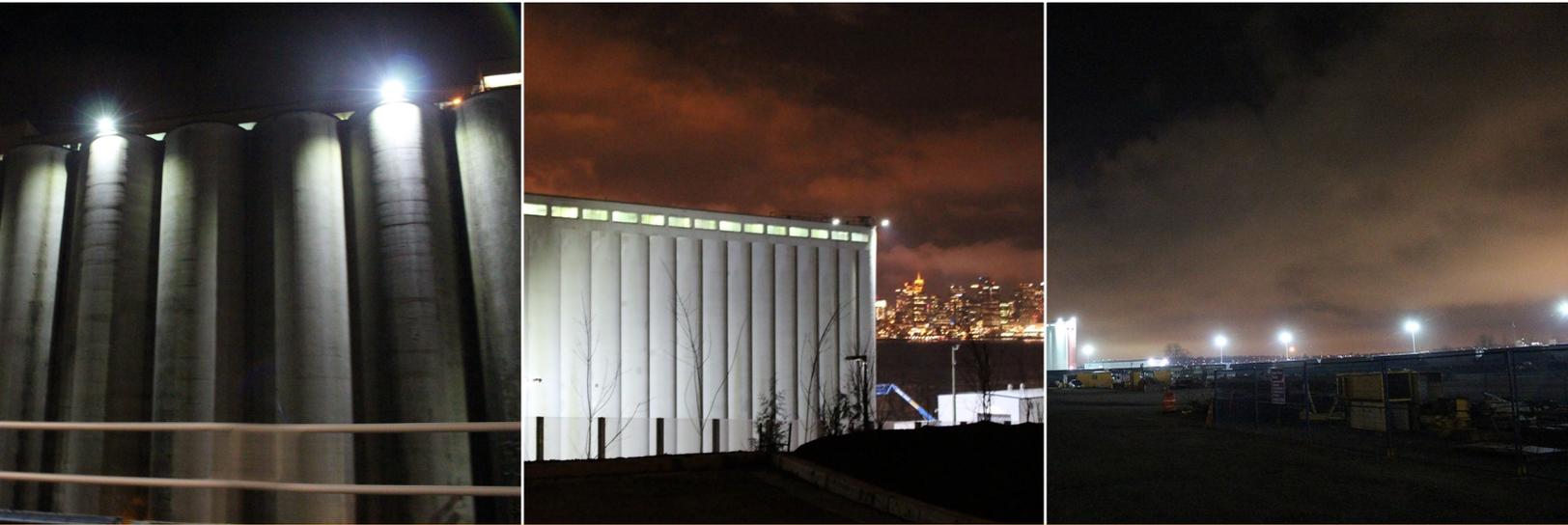




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THE CHALLENGE

The facility, which operates 24/7, was experiencing poor light uniformity, with many areas of shadow. This not only affected employees' ability to operate, but it also created a safety concern for Richardson – a company recognized for their achievements in workplace health and safety. At the same time, BC Hydro, the local utility provider, was encouraging their industrial customers to reduce energy consumption by upgrading to energy-efficient lighting.

THE SOLUTION

66 DAGR Industrial Lighting Daybreak Series fixtures (**MP700s** and **MP710s**) were installed to replace the existing 1000w and 400w metal halide lights. The LED fixtures were installed at the top of the concrete grain silos (50m height), as well as pole-mounted in the rail yard. The decision to go with the DAGR solution was based on a number of factors including the quality and functionality of the product, competitive pricing, and the consultative approach taken by DAGR. In addition to providing a complete business case outlining energy savings and return on investment, DAGR also helped Richardson take advantage of the available incentives offered by BC Hydro.

RESULTS

As a result of the upgrade, Richardson saw a dramatic improvement in light levels and overall light uniformity – providing workers with a safer, more functional work environment. In all, energy consumption was **reduced by more than 60%**, resulting in approximately **\$25,000 in energy-related savings annually**.