

# TNR DOORS

## *CASE REPORT*



# About TNR Doors

**Size of Facility: 314,433.84 ft<sup>2</sup>**

Emerging as a leading name in the marketplace, TNR Doors' dedicated team has over 435 years of combined experience in the commercial and industrial high performance door industry. With over 50 years of combined experience specifically in engineering and applications problem solving, a new and evolving generation of high performance roll-up doors has been brought to market, meeting the specific needs of businesses worldwide.

TNR Doors has a focus on customer success. They know that 'built to your needs' industrial and commercial doors with durability, reliability, and a long life will be valuable to all customers. Taking value in earned word-of-mouth businesses, TNR Doors keeps customer's costs down and business moving.







## Problems

The initial energy assessment revealed very minor complications that were to be met with the project. Due to the heavy work load the facility and its office faced during the day, it was very important for the installation process to not interfere with their production line and business.

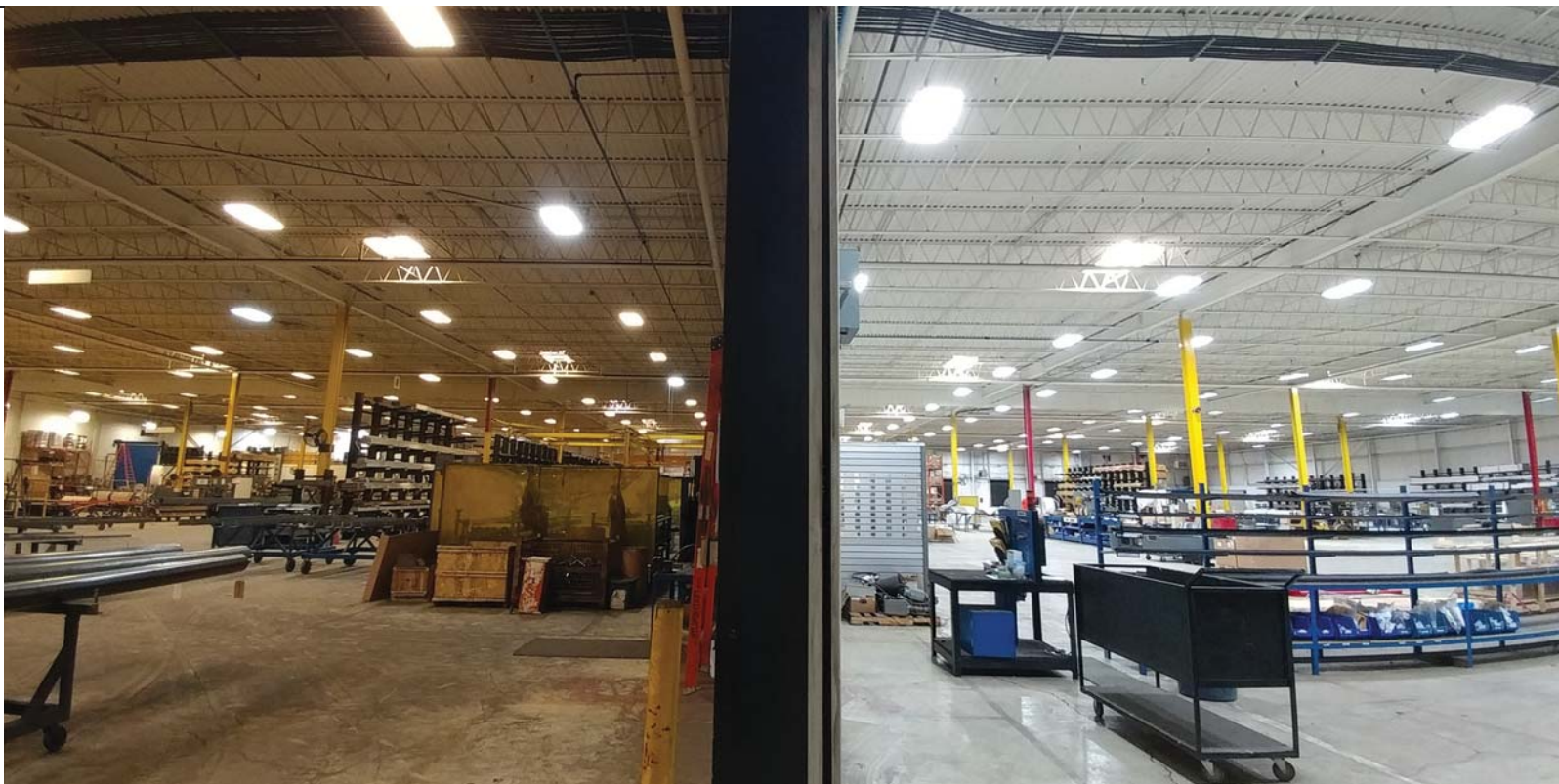
Haneco's consultants also noted that the building was operating solely on outdated fluorescent lighting. The working conditions created by this type of lighting were very dim and inefficient as a result and needed to be improved.

## Outdated Technologies



### **40W Fluorescent T12s** **32W Fluorescent T8s**

Fluorescent lighting contains mercury. Mercury can be dangerous if the tubes were to ever break. Most fluorescent tubes are made of glass, increasing the risk of releasing mercury. Fluorescent lighting can last up to 5 years, whereas LED lighting can last up to 10 years. This variant of lighting produces a limited colour spectrum of red, green and blue that makes it look artificial and not flattering.



## Solution

With strategic project coordination, Haneco was able to co-ordinate with their hours of operation in order to make the improvements and installation as seamless and efficient as possible.

In a matter of only 2 weeks, the installation process was facilitated from start to finish. Without delaying or interfering with TNR Doors' production line, Haneco was able to improve the facility by switching out fluorescent T12s and T8s with fully retrofitted 15W LED T8 tubes.

## Updated Technologies



### 15W LED T8 Tubes

LED lighting is advantageous compared to fluorescent lighting in many ways.

LEDs have a longer lifespan without deteriorated the quality of brightness and colour.

The maintenance and energy costs are decreased substantially. Also, LED lighting is more durable under extreme weather conditions and temperatures..



# Results

Converting to LED lighting poses many benefits to any business. LED lighting provides constant brightness and colour throughout its lifespan, while fluorescent lighting will deteriorate as time progresses.

For TNR Doors, the transition from using fluorescent to LED tubes resulted in a brighter facility with longer lasting lights that use less kW/h. Due to this upgrade, the facility now requires very minimal maintenance.

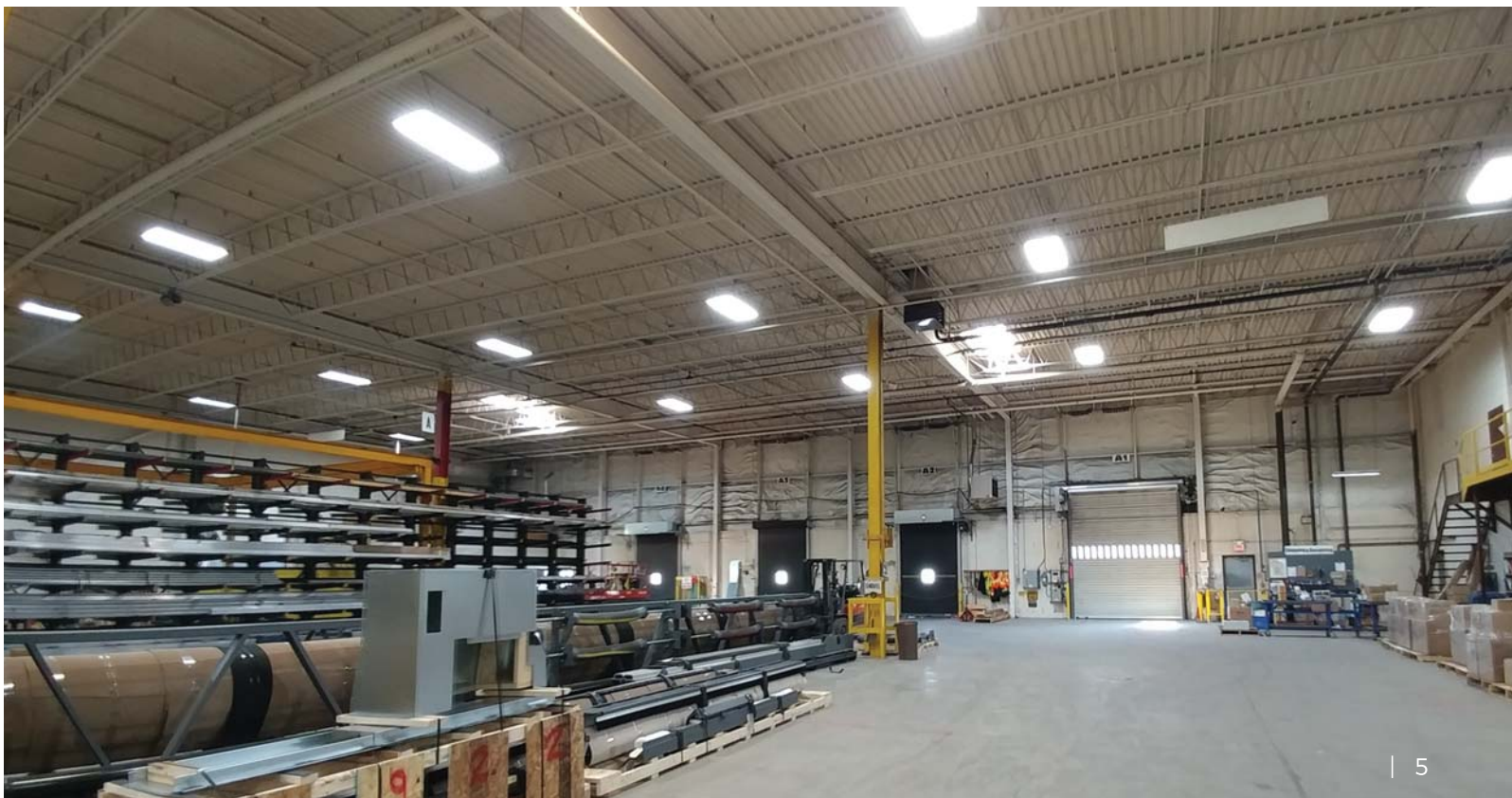
TNR Doors was also able to generate savings from their hydro bill and will continue to do so on top of the annual savings and the government rebate.

ANNUAL ENERGY SAVINGS

**\$ 24, 392.88**

GOVERNMENT REBATE

**\$ 17, 640.00**



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# ABOUT HANECO

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## WHY CHOOSE US?

Haneco Canada Inc. is a part of a multinational LED manufacturing expanding from South Australia, which is committed to creating a more sustainable future through energy efficient products.

With a proud history of efficiently retrofitting multiple businesses with LED alternatives in its home base, Haneco Canada can offer a wide range of products to meet the majority of lighting needs and utilize our technology to meet individual client needs by providing the best and most cost efficient solutions.

## CONTACT US

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