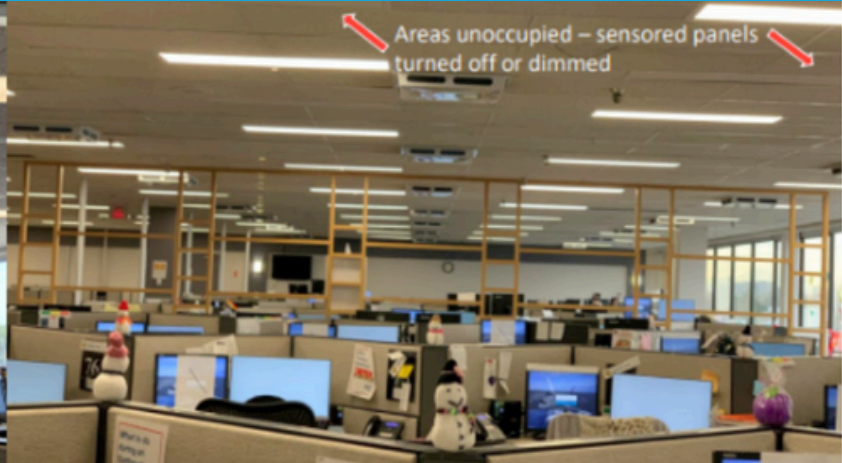


CASE STUDY AIR CANADA



Challenge

Air Canada's operations facilities at YVR Airport in Richmond, BC were experiencing high flicker rates, unevenly distributed lighting, and ongoing high energy costs. Additionally, the Air Canada runway had identified issues with glare affecting the pilots in nighttime conditions. Training facilities such as flight simulation rooms and flight attendant study areas were dimly lit with uneven lighting, as was the retail boutique for Air Canada branded apparel.

Solution

Air Canada selected Radiance Energy for their LED upgrade which was an investment of \$1.4 million. Air Canada chose to finance the project over a period of 36 months which resulted in an average monthly savings of \$30,000/month. Radiance Energy installed an LED lighting solution that not only drastically improved lighting conditions for employees but also provided ongoing

savings for their energy and maintenance costs. The Air Canada runway was installed with a night vision and anti-glare light solution, as to not affect pilots when descending in the dark. Indoor facilities such as training rooms and retail areas have an LED solution with low flicker rates and evenly distributed lighting, enabling employees to study and train efficiently below

Project Summary:

- **Saved 74% in energy costs**
- **36-month Lights for Service**
- **\$4 million net savings after 10 years**
- **Average monthly savings of over \$30,000**
- **10 year warranty and 20 year life expectancy**