



ENERGY SERVICES  
ASSOCIATION  
OF CANADA

PROMOTING  
PERFORMANCE  
BASED SOLUTIONS

# case study

## Dorchester Square

Dorchester Square Office Tower and Direct Energy say goodbye to aging infrastructure and out-dated technology.

*Performance-based solutions become the **premier choice** for energy and infrastructure renewal initiatives, resulting in fiscally and environmentally responsible outcomes.*



### Project Description

The Dorchester Square Office Tower nestled in Calgary's Beltline District has been a fixture in the Calgary skyline for almost 3 decades. The office tower was facing energy deficiencies due to aging infrastructure and out-dated technology. As a result, Direct Energy Business Services Limited was contacted to bring Dorchester Square's mechanical and controls systems up to modern day standards.

### Opportunity

Dorchester Square and Direct Energy maximized energy efficiency with new technologies and upgrades including a new building automation system (BAS), upgraded air handling units, energy efficient boilers, and a new variable speed, oil-less compact water cooled Smardt chiller.

### Results

The energy retrofit design implemented at Dorchester Square Office Tower is a prime example showcasing Direct Energy's talents in energy retrofit projects. The final design resulted in financial savings of over \$90,000 per year, exceeding the predicted cost savings of the design by almost \$20,000.

*A more detailed analysis of this project is available at:*

<http://debusiness.directenergy.com/EN/Business-Services/Pages/Business-Services.aspx>

