



ENERGY SERVICES
ASSOCIATION
OF CANADA

PROMOTING
PERFORMANCE
BASED SOLUTIONS

case study

DND 4 Wing, Cold Lake

The Royal Canadian Air Force's busiest jet fighter base makes major physical plant upgrades.

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



Project Description

DND 4 Wing, Cold Lake is the home of the Royal Canadian Air Force (RCAF) tactical fighter wing and is the busiest DND air force base in the country. The base required major upgrades to the physical plant heating. As a multi-purpose facility operating on a 24-hour schedule, DND 4 Wing required an approach that would not interfere with existing operations and training.

Opportunity

The approach designed by MCW focused on the key objectives of the facility for a self-funded infrastructure renewal and upgrade, which could be implemented seamlessly and offered significant carbon emission savings.

Results

The retrofit and plant upgrades were completed and the project investment was repaid three years ahead of schedule. Better than projected annual savings were driven by energy efficiency measures and usage reduction. The base realized a significant reduction in the carbon footprint of the facility in addition to the energy savings.

