



EDMONTON INTERNATIONAL AIRPORT COMBINED HEAT AND POWER ADDITION

ABOUT THIS PROJECT

- + Addition conducted to fully operational Edmonton International Airport.
- + Scope of work included the addition of three combined heat and power (CHP) units, interconnected with the Central Utilities Plant (CUP).
- + CUP services the major buildings on site.
- + Facilities team and construction team worked together to overcome challenges associated with integrating controls into the existing building infrastructure.
- + Project conducted while the facility was fully operational.
- + CHP units support more efficient operations in the long term.
- + Net goal of the project was to reduce greenhouse gas emissions and reduce the cost of generating heat and electrical via a traditional electricity grid. Net efficiency of CHP is more effective than utilizing the grid, providing a stepping stone toward greater sustainability.
- + Involved third-party commissioning and detailed coordination with the base building engineers to ensure successful plant integration.

LOCATION
Edmonton, AB

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical

KEY TEAM MEMBERS
ATCO

SIZE
N/A

BUDGET
Confidential

COMPLETION YEAR
2021

HOT BUTTONS

HIGH-EFFICIENCY

CHP

CENTRAL UTILITIES PLANT

AIRPORTS

TRANSPORTATION

ADDITION

CO-GENERATION

MECHANICAL

