



# WHISTLE BEND CONTINUING CARE

WHITEHORSE, YT



## QUICK FACTS

- + Long Term Care
- + Multi-Phase Project
- + Design-Build Delivery
- + 500,000 square feet (approx.)
- + \$158-million Budget
- + Work with Yukon Territorial Government
- + Smith + Andersen Electrical, Security, Communications, Audio-Visual, and Intelligent Integrated Systems



# WHISTLE BEND CONTINUING CARE

## ABOUT THIS PROJECT

- + 300-bed long-term care facility located along Yukon River (north-end of Whitehorse).
- + Engaged on Phase 1 of the project, which included a new 150-bed building providing palliative and mental health care.
- + At full build-out, the project will also include full kitchen and laundry facilities.
- + Variety of uses included in Phase 1 necessitated a new data centre, as well as dedicated mechanical and electrical rooms to support uninterrupted operations.
- + Due to location of site, availability of electrical and mechanical services was a priority.
- + Enhanced coordination between all systems facilitates the interoperability required to support the facility's operational work flows throughout the building.
- + Electrical systems designed with multiple levels of redundancy.
- + Systems include redundant power delivery paths, redundant 600 voltage synchronized generators setup to parallel with utility source (complete with load bank and varying degrees of load shedding), N+1 UPS system configuration, and a two-stage fire alarm system.
- + Infrastructure design supports several systems on a common network with multiple virtual local area networks (VLAN) including systems such as: nurse call, security, metering, monitoring, building control, a real-time locating system (RTLS), and wired and wireless data and voice systems.

### LOCATION

Whitehorse, YT

### SMITH + ANDERSEN SERVICES PROVIDED

Electrical, Communications,  
Security, Audio-Visual,  
Intelligent Integrated Systems

### KEY TEAM MEMBERS

Yukon Territorial Government  
CEI Architecture (HDR  
Architecture)  
PCL Constructors Westcoast

### SIZE

495,470 sq. ft. (46,030 sq. m.)

### BUDGET

\$158 Million

### COMPLETION YEAR

2018

## HOT BUTTONS

LONG TERM CARE

DESIGN-BUILD

DATA CENTRE

REMOTE LOCATION

NEW BUILD

GOVERNMENT

SECURITY DESIGN

TELECOMMUNICATIONS



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