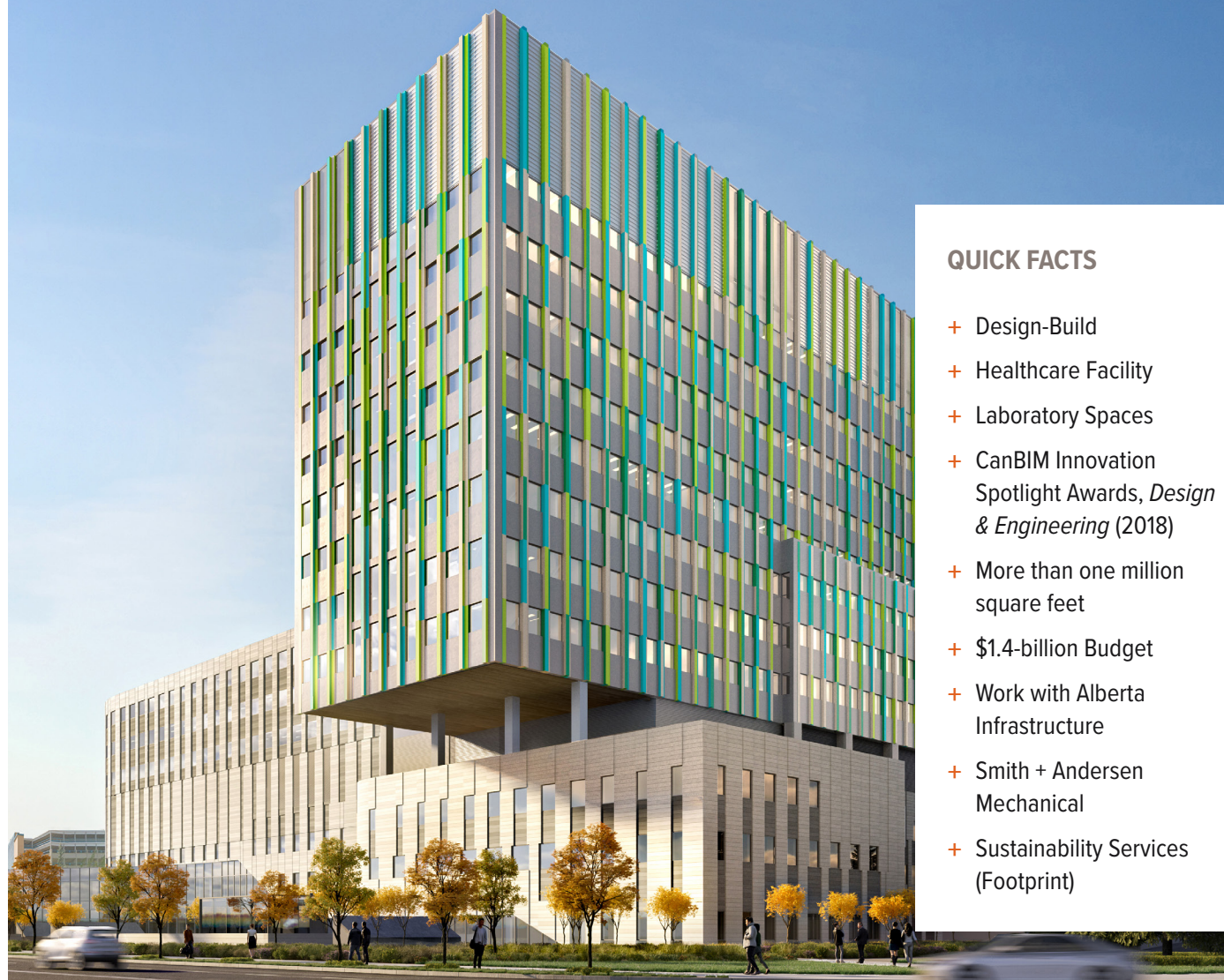




# CALGARY CANCER CENTRE

CALGARY, AB



## QUICK FACTS

- + Design-Build
- + Healthcare Facility
- + Laboratory Spaces
- + CanBIM Innovation Spotlight Awards, *Design & Engineering* (2018)
- + More than one million square feet
- + \$1.4-billion Budget
- + Work with Alberta Infrastructure
- + Smith + Andersen Mechanical
- + Sustainability Services (Footprint)



Renderings courtesy of PCL Construction | DIALOG + Stantec



# CALGARY CANCER CENTRE

## ABOUT THIS PROJECT

- + Centralizes treatment and care for cancer patients.
- + 160 inpatient beds, 13 Linear Accelerator (LINAC) vaults, two innovation treatment vaults, more than 100 patient exam rooms, and more than 100 chemotherapy chairs.
- + Engaged as a key member of the mechanical consulting team.
- + Ambitious energy targets and construction milestones required an integrated design approach, allowing team members across disciplines to collaborate in real time.
- + Leverages air handling unit (AHU) with energy consumption of approximately one watt per CF, and low flow plumbing fixtures throughout the building.
- + Equipped each vault and MRI room with a pre-action sprinkler system.
- + Dedicated equipment on site provides domestic water, natural gas, sanitary systems, steam, chilled water, and pneumatics.
- + Equipped isolation rooms and departments to maintain pressure controls across adjacent areas to avoid contamination.
- + Key factors in the facility design include mercury reduction, enhanced air quality, environmental site assessments, and direct exterior access and places of respite.
- + Designed laboratory fume hood exhaust, nuclear exhaust, and hazardous material exhaust systems to safely and effectively remove the contaminate at the source.

### LOCATION

Calgary, AB

### SMITH + ANDERSEN

#### SERVICES PROVIDED

Mechanical, Sustainability  
(Footprint)

### KEY TEAM MEMBERS

Alberta Infrastructure  
Alberta Health Services  
DIALOG  
Stantec  
PCL Construction

### SIZE

1,367,000 sq. ft. (127,000 sq. m.)

### BUDGET

\$1.4 Billion

### COMPLETION YEAR

2023

### AWARDS

CanBIM Innovation  
Spotlight Awards, *Design & Engineering* (2018)

American Concrete Institute  
Alberta Chapter Awards, *Award of Excellence in Concrete – Buildings Category* (2022)

## HOT BUTTONS

HEALTHCARE

DESIGN REVIEW

INPATIENT ROOMS

TREATMENT VAULTS

MRI ROOM

LABORATORY SPACES

DESIGN-BUILD

SUSTAINABLE DESIGN



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