

BCIT

TRADES & TECHNOLOGY CENTRE

Rendering prepared by Stantec



The BCIT Trades & Technology Centre project is an integrated, multi-phase project that will:

- enhance and expand the Institute's trades and technology precinct, with specific focus on the in-demand trades and industries identified in the BC Skills for Jobs Blueprint. Currently, BCIT is the largest provider of trades education in BC with approximately 4,630 FTE's enrolled in the 2015/2016.
- maintain the Institute's leadership role in trades education and contribute to a new trades identity on campus by creating a centralized hub in the trades precinct - the oldest part of the Burnaby Campus. It will include a student commons and trades and technology living lab, and showcase atrium that will enhance the Institute's recruitment opportunities.
- provide enhanced learning environments, showcasing advanced technologies and innovations (including simulation) and provide flexible space programming adaptable to changing education and industry requirements.

@ A GLANCE

- > New integrated Trades & Technology Centre: 66,480 sf (6,176 m²);
- > Four new cost-effective covered all-weather workshops totaling 31,000 sf (2,880m²);
- > A simulated shipyard, including gantry crane, for marine trades;
- > Complete upgrade and renewal of NE12 Steel Trades building creating 31,215 sf (2,900 m²) of renewed space; and
- > Demolition of an obsolete classroom building that contains asbestos, removing 7000 sf (650 m²) of deferred maintenance space.
- > A total project cost of \$73.9 M

BCIT **50** YEARS

@ A GLANCE

The new building will include:

- > Cross-disciplinary Lab – trades and technology collaboration;
- > Marine Trade Simulation – dry dock & teaching space;
- > Power Engineering Lab;
- > Welding Simulation Lab;
- > Data Network Simulation Lab;
- > LTC Gas Fitting Simulation Lab;
- > Media Centre Lab;
- > Living Lab / Maker Space;
- > Additional supporting classrooms to workshops/labs;
- > Student commons, demonstration and atrium space;
- > Reconfiguration of the existing works yard outside NE12 for increased student safety, improved teaching areas, and efficient materials storage; and
- > Strengthened pedestrian pathways and enhanced landscaping.

PROJECT SUPPORTED TRADES:

- | | |
|--------------------------|------------------------------|
| > Steel Trades | > Ironworker |
| > Boilermaker | > Metal Fabrication |
| > Marine Fitter | > Millwright & Refrigeration |
| > Pipefitting | > Power Engineering |
| > Instrumentation | > Network Simulation Lab |
| > Iron Worker Foundation | > Iron Worker Generalist |
| > Boilermaker | |

DEMAND

BCIT has demonstrated the necessary capabilities to meet BC's objectives for providing the ***right skills in the right place at the right time.***

The project is in direct response to growing demand for trades training to address industry-driven labour demand, including the emerging liquefied natural gas industry, and the growing shipbuilding sector. Between 2015 and 2023, the emerging LNG industry is anticipated to generate up to 100,000 jobs beyond the activity already planned or confirmed.

