



Workplace Charging Case Study: BCIT

BCIT is one of British Columbia's largest post-secondary institutions with more than 48,000 students enrolled annually (16,600 full-time, 31,600 part-time). The institution has 5 different campuses located in Metro Vancouver and employs 1,800 staff members, of which 20 own electric vehicles. BCIT has charging infrastructure available for employees, students and general public and is accessible 24/7 in their paid parking lots.

Charging Infrastructure

The BCIT OASIS project, located at the Burnaby Campus, is a smart EV charging system that uses solar and battery to provide 2 DCFC 50kw charging stations, 6x Level 2 (208V) chargers and 2 x Level 1 (120V) outlets. There are also 6 other Level 2 charging stations at the Burnaby Campus. BCIT also has 2 x Level 2 charging stations at the Vancouver campus and 6 Level 2 chargers being installed at the Richmond Campus.

All parking on campus is metered / paid parking and managed by a 3rd party company.

On average, 10 employees charge their vehicles every day. Based on typical vehicle turnover, this means that the chargers get used 20-30 times per day.



Management Program

BCIT has implemented 4 hour maximum parking at EV charging stations, which is enforced through the smart chargers. This ensures adequate turnover of vehicles. All staff use RFID chips to activate the chargers. Students and general public

login to a kiosk and register their vehicle to active the chargers.

Motivators

One of the key motivations was BCIT securing government grant funding to develop the OASIS project and EV charging infrastructure. This funding seeded development of the school's entire Workplace Charging Program.

To learn more about BCIT's Workplace Charging Program:

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