



ALBERT BICOL
PENG, LEED® AP
ASSOCIATE

Pivotal extends its reach by associating with selected sector experts. We undertake cross-training to integrate understanding, technology and business models and to ensure we each understand our specialist needs, and to share linked tools. This achieves a seamless integrated approach to assets, energy, sustainability and business that cannot be achieved by other means. Pivotal Associates do not delegate their roles and take personal responsibility for delivering the expertise and quality required.

Education & Professional:

BASc, University of Manitoba; APEGBC; CaGBC; USGBC; ASHRAE; Member, Association of Energy Engineers; Member, Building Envelope Council; Member, City of Vancouver Urban Design Panel; Reviewer/Advisor, BCIT Architectural Course.

Executive Summary:

Albert brings innovation and creativity to a project; he also conveys his ideas with passion and clarity. Albert champions the use of sustainable solutions in all his projects and has extensive expertise in Sustainable Master Planning (SMP), High Performance and Net-Zero Buildings including district/renewable energy analysis, passive building design, modeling building energy usage, thermal comfort and indoor air quality conditions. He has a wide range of experience in Canada, USA, and Asia including the SMP for several university campuses, and consulting services for mixed-used developments in North America and Asia. Albert brings not only technical expertise but recognizes the importance of business case and value/financial analysis.

As a LEED® Accredited Professional, Albert has performed reviews for the USGBC and CaGBC on projects applying for LEED certification. He previously sat on the City of Vancouver Urban Design Panel – only the second mechanical engineer to serve in this capacity. In addition, Albert has been invited to deliver over 200 presentations and has been a keynote speaker on sustainable building design, SMP and the “Net-Zero” approach in Canada, the US, and Asia and has volunteered to educate elementary school children on climate change. He was one of the first people who presented on Net-Zero Building design at the Greenbuild Conference in 2006. Albert was named as one of Building, Design and Construction’s 2007 ‘Top 40 Under 40’.

Key Projects:

- College of the Desert Integrated Sustainability Guidelines, Palm Springs, CA. Role: Sustainability Consultant / SMP.
- Shangri-La Hotels and Resorts, Various Locations Throughout SE Asia. Role: Sustainability Consultant / LEED.
- Edmonton Airport Lands Redevelopment SMP, Edmonton, AB. Role: Backup Partner-in-Charge. Project Goal: Carbon Neutral Development.
- Nuvali SMP, Laguna, Philippines. Role: Sustainability Consultant / SMP. 4000 Acre development.
- Ayala Center SMP, Makati, Philippines. Role: Sustainability Consultant / SMP.
- Mind Museum, Fort Bonifacio, Philippines. Role: Sustainability Consultant.
- University of Victoria Integrated Energy Master Plan, Victoria, BC. Role: Backup Partner-in-Charge. Project Goal: Carbon Neutral Campus.
- Vancouver Island University SMP, Nanaimo, BC. Role: Backup Partner-in-Charge. Awards: SCUP 2010 Award for Institutional Innovation and Integration.
- Millennium Water, Vancouver, BC. Role: Concept Engineer. Awards: 2010 Globe Award Excellence in Urban Sustainability, 2010 ASHRAE Tech Award.
- City of Vancouver Seniors Housing Unit – Net-Zero (2010 Vancouver Olympic Village): Role Partner-in-Charge.
- Simon Fraser University Daycare – Living Building: Role Partner-in-Charge.
- Walmart Net-Zero Store Concept, Vancouver, BC: Role Partner-in-Charge.
- Cherokee Lofts, Los Angeles, CA. Role: Concept Engineer. Construction Budget: \$27m. Award: 40th Los Angeles Architectural Awards Housing - Market Rate / Multi-Family, 2011 CNN Top 10 Sustainable Buildings.
- Vail Ski Resort, Vail, Colorado. Role: Partner-in-Charge, SMP. \$1bn resort development.
- Langara College Library, Vancouver, BC. Role: Concept Engineer. Construction Budget: \$35m. Awards: 2008 SAB Mag Award, 2005 Holcim Acknowledgement Award.
- Kwantlen Polytechnic University Buildings A and C, Surrey, BC. Role: Engineer of Record. Construction Budget: \$27.4m. Awards: 2008 Power Smart Excellence Award for Excellence in Energy Management.
- Edmonds Library, Burnaby, BC. Role: Engineer of Record. Construction Budget: \$8.8M.
- University of British Columbia, O Fipke Lab Building, Vancouver, BC. Role: Partner-in-Charge. Award: Five Green Globes (LEED Platinum equivalent).
- University of Washington Savery Hall – High Performance heritage retrofit, Seattle, WA: Role: Sustainability Consultant.
- Passive Design Best Practices Guide for the City of Vancouver. Role: Back-up Partner-in-Charge.