



Craig Hostland P. Eng. FEC MBA CIEC CRP PhD, principal and originator of Healthy Homes IAQ and Healthy Buildings IEQ has a diverse but explicitly relevant background that directs his pursuit of ensuring healthy indoor air environments in residential and commercial/ industrial/ institutional buildings alike.

### Education

1982 Graduated Civil Engineering University of British Columbia  
1997 Graduated with honours MBA Queens University  
2015 UBC Graduated PhD Environmental Engineering

Various training sessions, such as:

2000 CMHC Lets Clear the Air Seminar  
2001 CHMC Residential IAQ Investigator Training  
2005 IAQ Resources Canada Mould assessment and cleanup certification  
2009 MB Labs IAQ fungal assessment and testing training certification refresher  
2015 Medallion Healthy Homes sampling; IAQ assessment protocol  
2018-ongoing Eurofins environmental monthly webinars

### Profession

ACAC Certified Indoor Environmental Consultant (CIEC) mem#0910004  
AHERA (asbestos consulting) building inspector certified CABI-12-006  
CRP Certified Radon Measurement Professional CRT 201563  
Registered Professional Engineer British Columbia mem# 23435  
Accredited Home Inspector HIABC Lic # 47075  
Past President NWT Assn of Professional Engineers  
Past Director Canadian Council of Professional Engineers  
Past President, VP, Treasurer, Director CAHPI BC/ HIABC

### Education and Training services

Indoor air quality protocol and sampling methods for home inspectors.  
UBCO lecturer & creator of The Fundamentals of Healthy Buildings course (ENGR420)

Craig has been conducting environmental hazard and indoor air quality (IAQ) investigations and material and air sampling and consulting certification services in Central British Columbia since 1997. In that time, Craig has delivered prompt, accurate, and pertinent IAQ information to his Clientele.

Craig is a Certified Indoor Environmental Consultant, Certified Radon Measurement Professional, has a PhD in environmental engineering, and is registered as a Professional Engineer who has conducted over 10,000 home and commercial building and IAQ related inspections/ assessment/ testing in the Okanagan since 1997. HHIAQ/HBIEQ have been recertifying homes and businesses affected by marijuana grow ops/ drug manufacture and consumption since before municipal bylaws were instituted beginning in 2005 at HHIAQ/HBIEQ prompting and continue to prompt municipalities to add health well-being into safe premises bylaws to reduce the bad effects of poor environments on the marginalized typically in rental conditions.

Previously Craig was the Northwest Territory's technical representative for the R2000 housing program in the mid-1980's and conducted hundreds of technical evaluations in that time. Since the late 1980's Craig was a Principal and Senior Project Manager in an acclaimed international Architectural/ Engineering firm that delivered several thousand commercial, industrial, and housing units to the Russian and Canadian sub and high Arctic regions. During that time, Craig developed a passion for investigating, identifying, and resolving IAQ related issues in the constructed buildings situated in these extreme Arctic environments. In central BC, Craig found through his residential and commercial investigations similar issues, although less pronounced, but just as serious and developed a protocol that would prudently identify those issues for resolution. He furthered his expertise by testing his theories through his PhD program from the University of British Columbia where he developed a qualified verified model and developed a software program to assess indoor environments for risk of health effecting environments for occupants. Craig now teaches the fundamentals of healthy buildings at UBCO to 4<sup>th</sup> year engineering students.

Healthy Homes IAQ was trademarked in 2003 and HBIEQ in 2008 and has North American wide patent pending technology to identify and provide technical solutions to IAQ issues in a systematic methodology and reporting system in response to client-based residential and commercial indoor air quality needs. In his PhD dissertation, Craig was able to prove a small asthma cohort but with a substantial financial impact and impact reversal with proven savings in the order of billions of dollars for the North American Health care system. As part of his PhD, Craig created HEALTH<sup>2</sup>, the holistic environmental assessment lay tool for home health and created a sophisticated software program to assess indoor environments for health impacts from moulds and dampness and created a simpler version provided free on his website for enquiring occupants concerned with their health in indoor environments.

Healthy Homes IAQ (HBIEQ on the commercial side) works with several accredited laboratories for product sampling and developing testing regimens for specific project needs. Craig is joined by professionals that include Certified Industrial Hygienists.

Recent municipal, school board, government, and federal building hazardous materials assessments include:

- City of Kelowna; City of Vernon; Municipalities of Peachland, Osoyoos, Coldstream & Armstrong
- Vernon School Board; Kelowna and Vernon Christian schools
- Kelowna Daycare Society
- Westbank First Nation and Vernon Native Housing Assn
- Interior Health, BC wide building and tenant space acquisition