

Jack Zhou, CEA, CEE, RASDT, RHDT

Mr. Zhou is a well recognized Certified Energy Advisor (CEA) in Ontario, Canada. He holds a Bachelor of Architectural Science degree and is currently on the road to finish his Master of Building Science degree at Ryerson University.

He holds several professional designations including Certified Radon Test and Mitigation specialist, Certified Infrared Thermographer - Level 1, Residential Air System Design Technician, Residential Hydronics Design Technician and HVAC commissioning professional and Certified Energy Auditor. His areas of expertise are airtight building envelope design and onsite verification, energy efficient and sustainable buildings design, HVAC design (high & low velocity and hydronic systems) and commissioning, optimal indoor thermal comfort design, energy modelling and Net Zero Energy homes consulting.

Mr. Zhou started his career as an energy modeller and energy evaluator at ClearSphere Inc. in 2004. He founded A & J Energy Consultants and became a managing principal in summer of 2009. Over the past 6 years, he has been giving guest lectures at Ryerson University on energy modeling using HOT2000 and energy audits on low-rise residential homes in Ontario.

With over 10 years of experience in the industry, he and his companies have inspected and certified over 3700 ENERGY STAR® for New Homes and over 6000 existing homes in Ontario. He has personally energy modelled over 5000 HOT2000 energy simulations. Currently, his company provides services to over 30 production home builders in Ontario; some clients include, Arglen Development, Ballymore Homes, Geranium Homes, Kaneff Properties Ltd, Lakeview Homes, Lindvest Homes, Saberwood Homes and Yorkwood Homes.

Mr. Zhou provides quality assurance services to EnerQuality Corporation, Enbridge Gas, and Union Gas Distribution. He also provides energy modelling and consulting services through CMHC corporation to other countries like China and Korea, on their Super-E program; an export version of the R2000 standard. He is currently a technical member of the evaluator council at EnerQuality and Ontario Home Builders' Association. He is very passionate about making homes more comfortable, energy-efficient, durable, healthy, environmentally friendly and sustainable.