Robert Ogle
B.Sc., P.Eng.

Experience

Robert Ogle has ten years of experience in consulting engineering. Robert started his career at Tau Engineering Solutions Inc. where he was involved with creating hydraulic simulations, including simulated transient hydraulic events in liquid pipelines, detailed models of pipeline networks, and associated control systems.

While at Tau, Robert also analyzed engineering drawings such as P&IDs and PFDs to design accurate hydraulic models and has presented at an SPS users' group conference on improvements to the simulation of check valves

In 2017 Robert joined the consulting firm Building Science Engineering Ltd. (BSE) which offers design, investigation, testing, and inspection services primarily related to the building envelope.

Robert's responsibilities at BSE include performing physical tests on building envelope systems such as air leakage testing, water leakage testing, and pull/adhesion testing to ASTM and AAMA standards.

Robert also carries out commissioning field reviews of building envelopes for compliance to design documents and building code requirements.

Robert has designed and reviewed repairs to historic wood windows.

Robert has also reviewed fall arrest anchors for re-certification.

Robert is a Certified Level 2 Thermographer (ITC) and has conducted thermal scans on over thirty buildings since 2018.

Notable projects Robert has worked on include:

Alberta Legislature Building Stone and Window Restoration

Norwood Continuing Care Center

Northern Lights Regional Health Center Re-Cladding

Dr. Anne Anderson High School

Education

- B.Sc. Mechanical Engineering University of Alberta, 2013
- Graduated with First Class Standing

Memberships

- The Association of Professional Engineers, Geologists and Geophysicists of Alberta
- Certified Level 2 Building Thermographer (ITC)

Publications

- Co-authored "Complexities of Curtain Wall Flanking Transmission – A Case Study" presented to the Canadian Acoustics Association
- Presented "Improving Check-Valve Simulation" at 2017 Synergi Pipeline Simulator User Conference

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