Our focus is on helping clients make informed decisions that lead to durable and effective buildings.

Based on our leadership in building science we are called upon to work in locations throughout North America. Our offices, with more than 200 staff, are located in Toronto and Waterloo, ON, Vancouver, Victoria, and Courtenay, BC, as well as Seattle, WA, Portland, OR, Oakland, CA, and Boston, MA.

About Us

At RDH, we have a passion for making buildings better. Whether it's as part of a design team for new construction projects or the renewal of existing buildings, our focus is on helping clients make informed decisions that lead to durable and effective buildings.

RDH was established in 1997 and is a privately owned company with almost all of our employees being shareholders. Employee ownership translates into a commitment to quality and service and helps us attract talented staff. We currently have over 200 permanent staff.

New Construction Services

We assist design teams in making decisions regarding all aspects of the building enclosure and energy performance.

- **Early Stage Consulting** – We work with design teams in a design charrette environment to quickly focus in on cost effective and high performance building enclosure assemblies.

- **Sustainability Consulting** – We help set project goals and provide support through the design and construction process to meet certification programs like LEED and Passive House.

- **Building Enclosure Consulting** – Our goal is to see that every building enclosure we work on meets or exceeds both code-compliance and owner performance expectations.

- **Façade Engineering** – We assist the design team early in the process to develop and define novel enclosure systems to a level that meets high performance requirements and can be accurately bid by potential suppliers.

- **Fenestration Consulting** – RDH designs and tests custom glazing systems for even the most daring architectural applications.

- **Energy + Thermal Simulation** – We perform early stage analysis, as well as whole-building and component modelling, including verification of energy code compliance.

- **Thermal/Hygrothermal Simulation** – RDH analyzes the long-term behavior of any building enclosure assembly or detail for thermal and hygrothermal performance.

- **Airtightness Testing** – Whole building airtightness testing confirms a fundamental aspect of building enclosure performance.
Existing Buildings Services

- **Assessments + Investigations** – In cases where a building failure requires investigation, RDH provides objective, clear, and authoritative analysis. As building scientists, we have the technical expertise to understand the underlying causes of a failure.

- **Repair, Renewal, + Rehabilitation** – Whether it is renewal of specific assemblies or a complete building enclosure rehabilitation, we provide all of the necessary engineering and architectural services.

- **Energy + Water Efficiency** – We believe every renewal and renovation project is an opportunity to cost effectively introduce energy and water efficiency improvements and access incentive programs.

- **Construction + Project Management** – We offer a continuum of services from basic contract administration, to full construction management to ensure your unique project is handled the right way from start to finish.

- **Maintenance and Planning** – We work with building owners to develop strategies for the long- and short-term needs of their buildings.

- **Building Asset Management Software** – Easily track and report maintenance, repair and renewal activities. Securely store documents such as architectural plans and reports for easy reference and retrieval online.

Research + Forensics Services

RDH performs a wide range of services for all levels of government, manufacturers, insurers, and lawyers.

- **Guideline Documents** – We use our building construction experience and research knowledge to develop practical guideline documents.

- **Courses + Training** – We develop and customize training, educational courses, seminars, and industry presentations for a variety of building science topics.

- **Product Development + Testing** – We assist building product manufacturers and industry organizations with product research, development, testing, and marketing tools.

- **Forensic Investigation + Litigation Support** – We are regularly called upon to assess and clearly explain building enclosure and other building science failures.

- **Demand-Side Measures (DSM) Advisory Services** – We provide services to energy utilities, agencies, commissions and organizations on DSM potential, program design and evaluation.

- **Policy Consulting** – We provide services to all levels of government on building sector and energy policies, including research, data mining, economic analysis, stakeholder engagement and support for policy and regulatory development.