

Our R&D Advantage

Our R&D sector is vibrant, with over 3,000 public and private sector scientists undertaking cutting-edge research in energy storage, materials engineering, life sciences, renewable energy and ocean technology.

HERE'S WHY R&D IN NOVA SCOTIA PAYS OFF:

1. **Innovate with Post Secondary Partners:** companies partner with Nova Scotia's 10 universities and the Nova Scotia Community College (NSCC) to work on exciting R&D and commercialization initiatives. Many post-secondary institutions have industry liaison offices to foster and facilitate industry partnerships.
2. **Save on R&D Costs:** Canada has the lowest costs in the G7 for R&D intensive sectors, with up to a 27.7% advantage over the US, and offers companies one of the most generous R&D tax incentives in the industrialized world. Combine these advantages with our urban centre's significantly lower business costs (KPMG ranks Halifax 6th out of 111 North American cities for overall operating costs), and it's easy to see why doing R&D in Nova Scotia makes good business sense.
3. **Benefit from Programs and Incentives:** Companies undertaking R&D in Nova Scotia can take advantage of a variety of programs and incentives, including generous research and development tax credits.

WHO YOU COULD PARTNER WITH:

1. **Dalhousie University**
Halifax, NS
Tesla Motors and Dalhousie University's Canada Research Chair Dr. Jeff Dahn have an exclusive partnership developing lithium-ion batteries. This is the first partnership of its kind between Tesla and a Canadian university. Additionally, the Obrovac Research Group at Dalhousie is working on high capacity alloy negative electrode development, active/inactive and active/active nano-composite electrode development, combinatorial studies of alloy negative electrode materials, and microporous negative electrode materials.
2. **Verschuren Centre**
Cape Breton University - Sydney, NS
The Verschuren Centre is an industrial solutions, development and deployment centre, advancing sustainable resource management in key fields of expertise, including nano materials.
3. **Nova Scotia Community College**
Waterfront Campus - Halifax NS
The Applied Energy Research team develops and tests sustainable energy alternatives and has extensive experience in solar energy technologies, monitoring devices, and micro-grids. For example, a current five-year project with industry integrates energy hardware, sensors, software, and data analytics to generate new energy products and services.