



Sponsorship Package

2021-2022

WHY GO GREEN?

Worldwide, the building and construction sectors account for 39% of all carbon emissions. In addition to their upfront carbon costs, the maintenance and operation of buildings makes up another 28% of global carbon emissions. In Canada in 2017, the building sector was responsible for 12% of the country's greenhouse gas (GHG) emissions, the equivalent of about 86 mega tonnes of carbon dioxide, making the building sector the third largest contributor to GHG emissions, after only oil, gas, and transportation. Additionally, of Canada's other major emitting sectors, the building sector has the largest potential for significantly reducing its GHG emissions. Thus, regardless of future government policy (regarding coal and fossil fuels), work in the green building sector is of great importance to Canada should we want to meaningfully decrease our GHGs. Canada is already a leader in green building design, and the industry is booming, having generated over \$23 billion in GDP in 2014, and provided over 297,000 jobs, exceeding the number of oil and gas extraction, mining, and forestry jobs combined.

THE TEAM

As UBC's first green building engineering design team, we have a unique opportunity to enable students with the skills and hope needed to make a difference, and feel confident using their skills to create change. Third-Quadrant Design was named after the negative area of a coordinate plane, symbolizing our goal of net-negative carbon design, or regenerative design. In this capacity, we hope to bring together passionate students from various disciplines to learn about and act on our current climate crisis, while building real-world knowledge and industry-ready skills.



THE CHALLENGE

This year, we aim to participate in the US Department of Energy's Solar Decathlon design challenge. The Solar Decathlon, formerly 'race to zero' is a competition that welcomes entries from universities all over the world to design and build highly efficient, healthy, affordable, and renewably powered buildings. In 2021, Third Quadrant Design will submit a project for the Solar Decathlon's annual design competition, with the intent to submit a bid for the Biannual Build Competition for the 2021-23 build cycle. If successful, we will be invited to attend the final competition in April 2021, hosted in Golden, Colorado.

USDE's summary of the design challenge is summarized below:

"Designs should represent a high-performance building so energy efficient that a renewable energy system could offset all the building's annual energy consumption. Along with achieving this level of performance, teams demonstrate the effective integration of building science principles and best practice guidelines for the building enclosure and mechanical systems. Teams may develop an original design or chose to retrofit or modernize an existing building."



our fundraising goal:

\$25,000

As a **donor**, you have the opportunity to invest in the futures of young engineering and design students, as well as the future of our planet. You will be recognized as an integral part of the team, as this project will not be possible without the generous support of community sponsors.

We also accept **in-kind contributions**, such as machinery and tools, protective equipment, building materials, and catering.

SPONSORSHIP OPTIONS

seed-sower
\$500

Recognition on our promotional material by name and project update newsletters.



cultivator
\$1,000

Seed-sower benefits +
Company logos on promotional material.



COMMUNITY PARTNERSHIP

The Solar Decathlon allows student teams to pair up with community partners, providing Third Quadrant Design with the opportunity to contribute to social initiatives in our local community to support low-cost housing initiatives. If you have a project you for which you are looking for design support, please contact us for collaboration opportunities.

wall-raiser \$5,000

Cultivator benefits +
Team resume access, and social media promotion.



rain-maker \$10,000

Wall-raiser benefits +
A personal company feature in presentations and a big cheque photo opportunity.



contact us

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