



THIRD
QUADRANT
DESIGN

SPONSORSHIP PACKAGE

2021-2023 Build Challenge





The Team



2021/22 Design Team at Project Site

70 Students - 14 Programs - 3 Faculties - 10 Sub-teams
60% femme identifying

Third Quadrant Design was founded in 2019 by three female engineering students to fill the gap in green building education at UBC. As the first green building design team at UBC, we have the unique opportunity to enable students with the knowledge, skills, and enthusiasm needed to make a difference in this industry.

Named after the third quadrant of the carbon-energy coordinate plane, our vision is of a future in which all buildings are design regeneratively. Our mission is to spread the knowledge of net zero carbon and net zero energy design across campus and industry. **We believe in a climate first approach to design.**

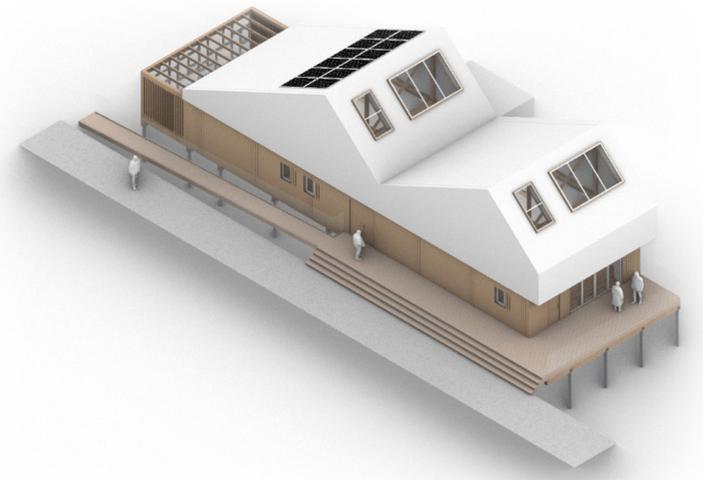
HISTORY & ACCOMPLISHMENTS

Third Quadrant competed in the 2020 and 2021 editions of the U.S. Solar Decathlon Design Challenge, winning first place in the Urban Single-Family and Mixed-Use Multi-Family divisions consecutively.

Our 2020 submission, Solis House, was a two-story self-sustaining home that aimed to provide a sustainable and economical model of housing in the Vancouver market.

Following this success, the team took on the larger challenge of entering the Mixed-Use Multi-Family division in 2021. Laundry Haus, a retrofit of a two-story historic warehouse in the Mount Pleasant area of Vancouver, aimed to be a model for high-performance adaptive re-use within a mixed-use housing typology designed for a variety of occupants.

With both designs winning their respective categories, Third Quadrant is currently taking on the two-year U.S. Solar Decathlon Build Challenge, with our net-zero carbon design build at the heart of UBC's Vancouver campus, which will be completed and open to the public in Spring 2023.



Current Render for the 2021-23 Build Challenge



The Challenge and Our Vision

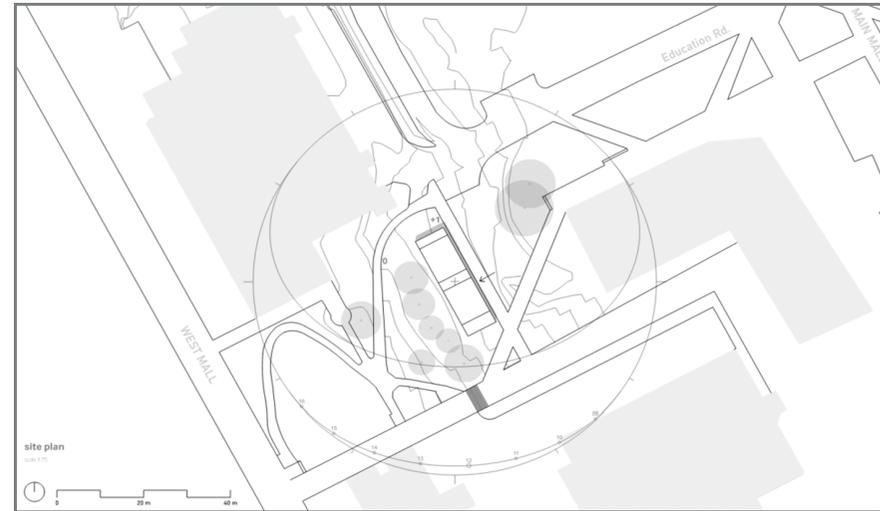
THE CHALLENGE

The U.S. Department of Energy's Solar Decathlon is a competition that invites university students around the world to design and build efficient, holistic, and affordable renewably-powered buildings. Since 2002, this contest has empowered students and young professionals to develop their technical skills and design solutions to global issues. The competition is split across two challenges: the Design (annual) and Build (biennial) Challenges. In both, teams are assessed across ten contests: architecture, engineering, market analysis, durability and resilience, embodied environmental impact, integrated performance, occupant experience, comfort and environmental quality, energy performance, and presentation. This year, Third Quadrant Design, representing the University of British Columbia, will compete with 36 collegiate institutions from 10 different countries in the 2023 edition of the Solar Decathlon Build Challenge.

THE BUILD

Over the next two years, the team will design and build a net-zero energy, net-zero carbon, live-work single-family home. To achieve net-zero carbon, the team is minimizing the embodied carbon of building materials and systems while using the landscape to sequester carbon. Carefully deconstructed material from an existing home scheduled for demolition will highlight the potential of adaptive reuse as a viable strategy to further reduce the embodied carbon of new buildings.

The building will be constructed, exhibited, and evaluated at the heart of UBC's Vancouver campus with the competition event taking place at the U.S. Department of Energy's National Renewable Energy Laboratory in Golden, Colorado in April 2023.



Site Plan

THIRD LIFE AS A THIRD SPACE

Post competition, Third Quadrant Design will transform the building from a live-work home into an institutional "third space" and "living lab"; a space on campus that serves as an integrated design hub for zero emissions, regenerative, and climate resilient design practices. The space will provide students with a space to meet, collaborate, research, test, and interact with the building. **The building has been approved to remain on campus as an academic space until 2030.**

Key Building Activities



Performance Monitoring



Design Collaboration



Prototyping



Why Sponsor Us

Change starts with us.

The transition to a greener, more thoughtfully designed built environment is underway, and Third Quadrant believes the future must go one step beyond sustainability toward the goal of regenerative design. Our mission is to promote regenerative design practices across industry and academia. By sponsoring our efforts, you are directly supporting student knowledge and activities in the building sector, from design to construction. Today's students are tomorrow's professionals, and our members will one day be the ones leading the transition to a regeneratively designed world. With the upcoming Solar Decathlon design-build, your support will contribute to a visible symbol of modern environmentalism, and have tangible impacts to all students, staff, and visitors at UBC's Vancouver campus.



Master Bedroom Interior for the 2021-23 Build Challenge



Mentor and recruit the designers and industry leaders of tomorrow



Contribute to student learning and cross-collaboration



Brand recognition at a local and global scale



Get your name on the donor wall of our building at UBC



Build a sustainable future and a regenerative world



Current Sponsors and Partners

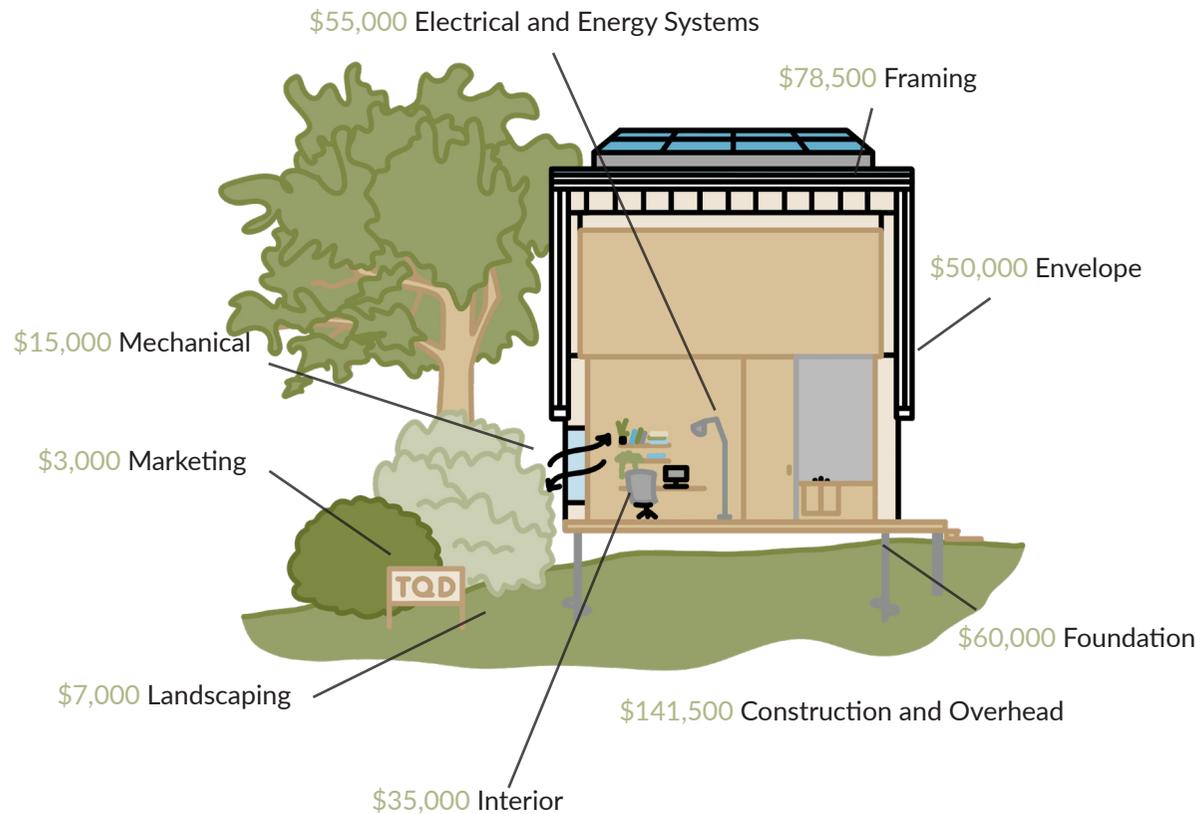
Third Quadrant Design has been incredibly fortunate to continually receive tremendous support since we were formed in 2019. Thank you to our current partners for this year!





Our Donation Goal: \$550,000*

* Monetary equivalent



Budget

Building Envelope	\$50,000
Construction	\$141,500
Contingency	\$50,000
Design	\$50,000
Electrical and Energy Systems	\$55,000
Foundation	\$60,000
Framing	\$78,500
Interior	\$35,000
Landscaping	\$7,000
Marketing	\$3,000
Mechanical	\$15,000

Fundraising Goal \$550,000

*Track our progress on our [website!](#)



Sponsorship

We will need your help to get this project built! We are seeking both monetary and in-kind donations. Monetary donations will receive business acknowledgement from UBC for the amount donated. In-kind donations will receive business acknowledgement from UBC at the market value of the donation.

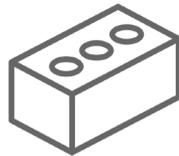
Oh and sponsorship has its perks!



seed-sower

\$1,000 - \$4,999 EQUIV.

Recognition on our promotional material by name and company logo, invitation to virtual networking sessions with our team



cultivator

\$5,000 - \$9,999 EQUIV.

Seed-sower benefits +

Company name on the donor wall of our building for the duration of its third life, invitation to in-person networking sessions with our team



wall-raiser

\$10,000 - \$24,999 EQUIV.

Cultivator benefits +

Full feature on our website, coordinated social media promotion, access to team member resumes



build-partner

\$25,000+ EQUIV.

Wall-raiser benefits +

Large company name on donor wall proportional to donated amount, company name and logo on competition attire, project integration

