

UBC SOLAR

Sponsorship Package

2019/2020

www.ubcsolar.com

manager@ubcsolar.com



Total Members: 96



 Computer Science



 Faculty of Business



 Engineering Physics



 Electrical Engineering



 Integrated Engineering

/ Who We Are

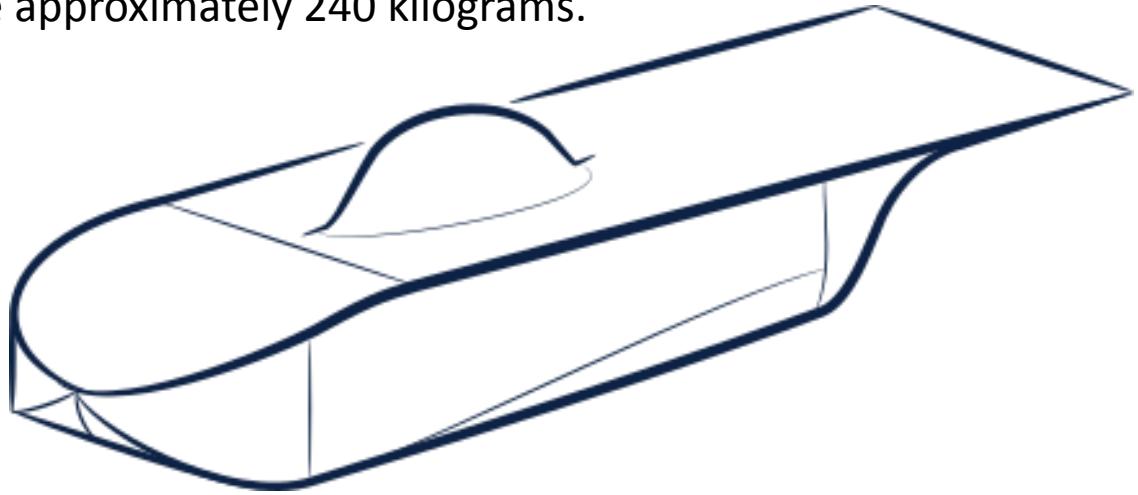
UBC Solar is an interdisciplinary, student-led team dedicated to the designing, manufacturing, and racing of solar-powered vehicles. Our team is a community of undergraduate and graduate students, professors, UBC alumni, and industry professionals with diverse knowledge backgrounds. We consist of three divisions: electrical, mechanical, and business. We operate on a two-year design cycle, with a focus on in-house design and fabrication. Our current designs reflect a new generation of student-led sustainable technology.





/ Our Car: *Daybreak*

Our current generation vehicle features a 5.1 kWh Lithium-ion battery and 3.5kW NGM SCM150 in-hub motor. The 1kW solar array is comprised of 4 square metres of Sunpower E60 Cells and 2 square metres of Sunpower C60 Cells. Daybreak is rendered with a bullet-style shell and chassis, with a track width of 1 metre and a wheel base of 2 metres. We estimate that the weight of the vehicle, including driver and ballast, will be approximately 240 kilograms.





/ Our Races: *FSGP & ASC*



The **Formula Sun Grand Prix** is a three day track event held every summer at the Circuit of the Americas in Austin, Texas. Teams must complete 330 kilometres of laps within one day to qualify for the ASC in 2020.



The **American Solar Challenge** is a 2700 kilometre race across North America that can last up to 1 week. Solar cars reach speeds of over 97 km/h. It is an open-road event, spanning across major highways and side streets. Our team hopes to attend the ASC in 2020.



The Road Ahead: V3

Daybreak has allowed our team to explore and understand the complex process that is solar-car design. Along with our new class of recruits, we are currently pursuing our third generation solar-car. V3 is being designed under newer and higher standards. This includes upgrading the battery to Lithium-ion battery cells, designing a new monohull-style chassis and shell, as well as developing our first in-house designed Battery Management System.



2019 September — October

- New member recruitment
- V3 brainstorming and design

2019 November — December

- Extensive *Daybreak* testing
- V3 design, research, and procurement

2020 January — February

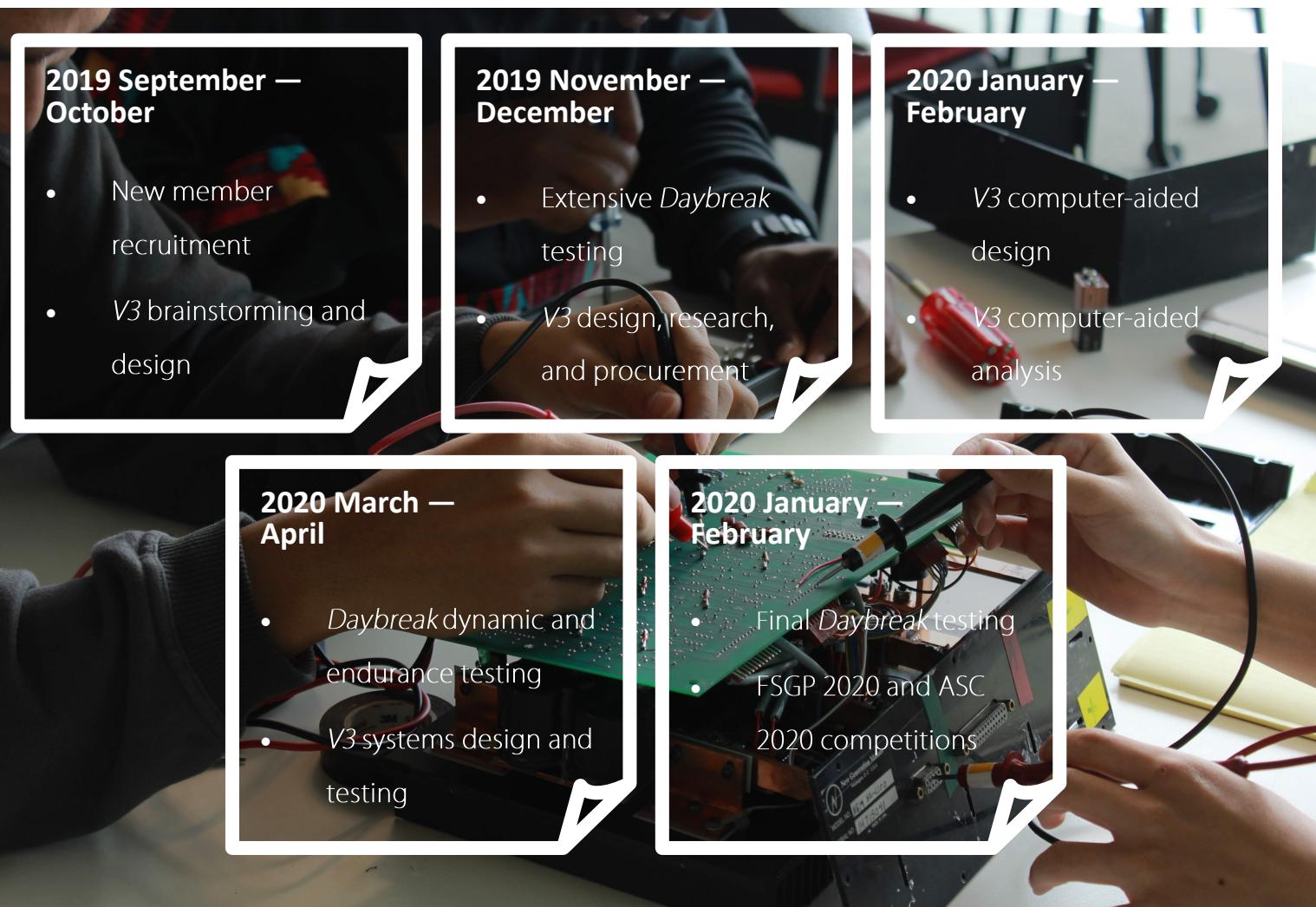
- V3 computer-aided design
- V3 computer-aided analysis

2020 March — April

- *Daybreak* dynamic and endurance testing
- V3 systems design and testing

2020 January — February

- Final *Daybreak* testing
- FSGP 2020 and ASC 2020 competitions



Why Support Us



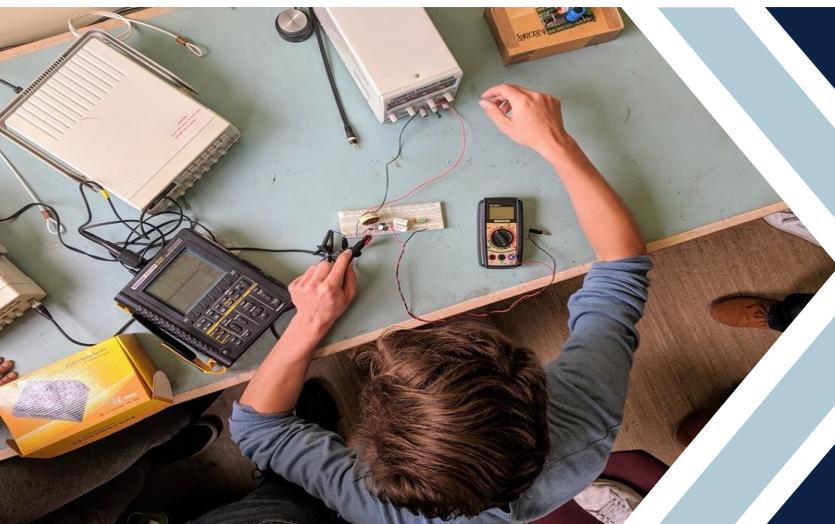
STUDENT DEVELOPMENT

We have created an environment that allows students to transcend the limits of traditional classroom-based education. Our strong belief in collaboration fosters peer-mentoring, critical thinking, and professional development. Students learn how to navigate industry standards and actualize their ideas.



ENVIRONMENT & SOCIETY

Supporting us means supporting the future of sustainable technology. We connect with education programs such as GEERing up and Engineers for a Sustainable World. We also work in concert with teams from the University of Calgary, L'Ecole Polytechnique, and Northwestern University.



PUBLICITY

Our success depends on many forms of outside support. We offer our sponsors several opportunities for publicity. As we are a highly visible racing team, we utilize our social media platforms to engage with our community to thank our sponsors for making UBC Solar possible.

/ Join Us

Sponsors are an integral part of our success as a team and only through your support are we able to achieve our goals.



	Diamond*	Platinum	Gold	Silver	Bronze	Friend
	>\$20,000	>\$10,000	>\$5,000	>\$2,500	>\$1000	<\$1000
Logo on UBC Solar website and social media	✓	✓	✓	✓	✓	✓
Invite to team networking events	✓	✓	✓	✓	✓	✓
Receive a team photo	✓	✓	✓	✓	✓	✓
Logo on a race uniform	✓	✓	✓	✓	✓	✓
Logo on solar car	12" Wide	10" Wide	8" Wide	5" Wide	3" Wide	
Logo on race support vehicles	12" Wide	10" Wide	8" Wide			
Receive Team Apparel	✓	✓				
Team and vehicle available for events	✓					

/ Our Current Sponsors

Diamond



Gold



Silver



Bronze



Friend

