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Canadian Space Settlement Design Competition

Engineering Design Center | UBC | May 18-19

Registration at issdc.org



Canadian Space Settlement Design Competition

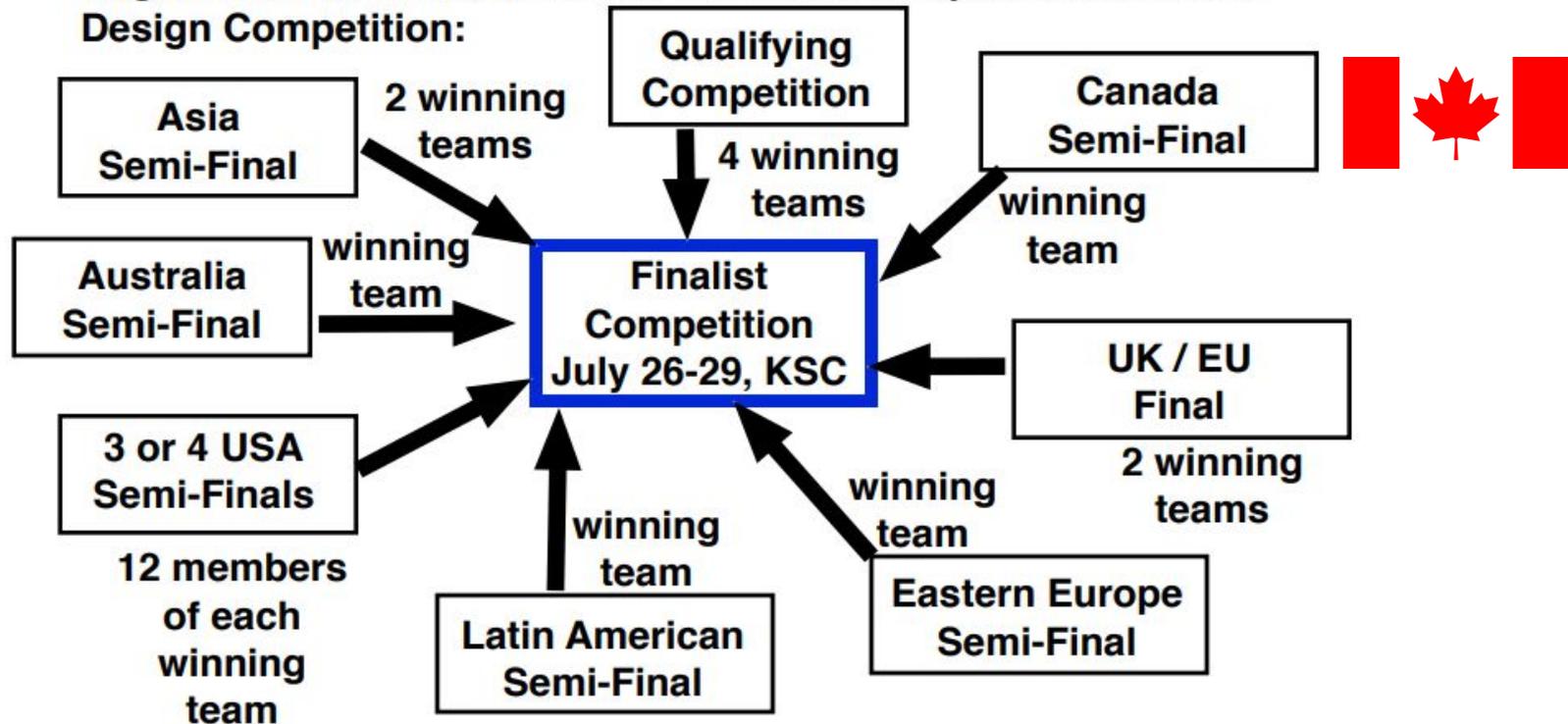
- This May in Vancouver, Canadian high school students have the opportunity to participate in the first ever Canadian Space Settlement Design Competition
- For over 30 years, high school students from all around the world have been competing for a chance to participate in the International Space Settlement Design Competition at NASA
- This is the first year a Canadian team is guaranteed its place in the ISSDC Global Finals at NASA Kennedy Space Center!



NASA Finalist Competition Breakdown

International Competition 2019

Regions select Finalists for the International Space Settlement Design Competition:



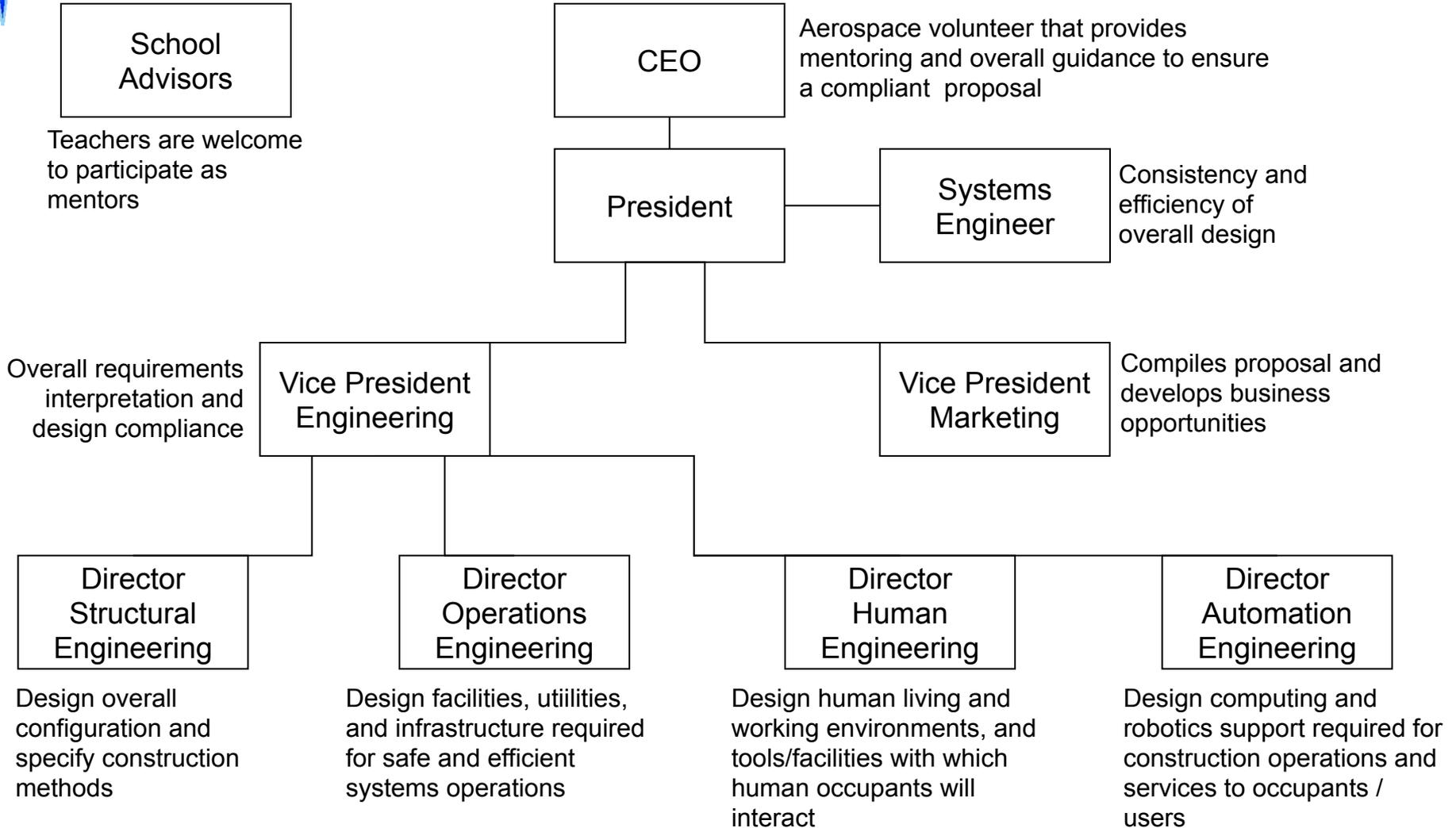


Competition Overview

- This competition allows high school students to experience a real world proposal activity that requires **understanding** customer requirements, **developing a compliant** solution and **communicating** their proposal
 - Participants receive a Request for Proposal outlining a future scenario with requirements for a space settlement
 - Students form into “companies” with typical roles in an organizational structure (refer to next slide)
 - Volunteers participate as technical mentors and company CEOs to help guide the students



Typical Student Company Organization





Why is this Competition is Important

- 87.9% of participants reported being more likely to major in science or engineering
- 91% of participants reported being more likely to pursue STEM careers
- With a history spanning 35+ years, it has gathered participants from all over the world with a shared passion for aerospace
- It's a fun, challenging, rewarding, and educational experience unlike any other!



Event Details

- This event will take place on Saturday May 18th and Sunday May 19th at the UBC Engineering Design Center (2345 E Mall) in Vancouver
 - Saturday 9 AM - 6 PM
 - Meet and greet
 - Intro and technical sessions
 - Receive Request for Proposal (design challenge)
 - Start Proposal Design
 - Lunch
 - Continue Proposal Design
 - Sunday 9 AM - 6 PM
 - Complete Proposal
 - Lunch
 - Submit Proposal
 - Present to judges
 - Winner announced
- Registration at www.issdc.org/student-registration-canadian-ssdc/
 - A fee of no more than \$20 may be charged at a later date depending on interest. First 30 students to register will be sponsored and any potential fee will be waived.



Frequently Asked Questions

- How do I prepare for the competition? Do I need previous experience?
 - You don't - just show up! There will be an introductory session before the competition begins, and our volunteers will be around to help you as technical mentors.
- Do I need to sign up with a team?
 - No, you sign up individually. Teams will be formed the day of the event. You may indicate if you would like to work with specific people in the sign up form, and we will do our best to accommodate any requests.
- What is the prize for winning?
 - Winning the competition earns you a chance to compete at the International Final at NASA's Kennedy Space Center in Florida. Participants must arrange their own funding.

For other questions, please contact regional coordinator Sahba El-Shawa at sahbaelshawa@gmail.com