



LAUNCHING THE SOLUTIONS MOVEMENT

2021 STUDENT ENERGY

STUDENT ENERGY IN 2021

CHAPTERS

Chapters are student-led, post-secondary hubs that take action on energy in their local communities.

Active Chapters: 46
Countries Represented: 27
Current Waitlist: 90+ Chapters

LEADERS

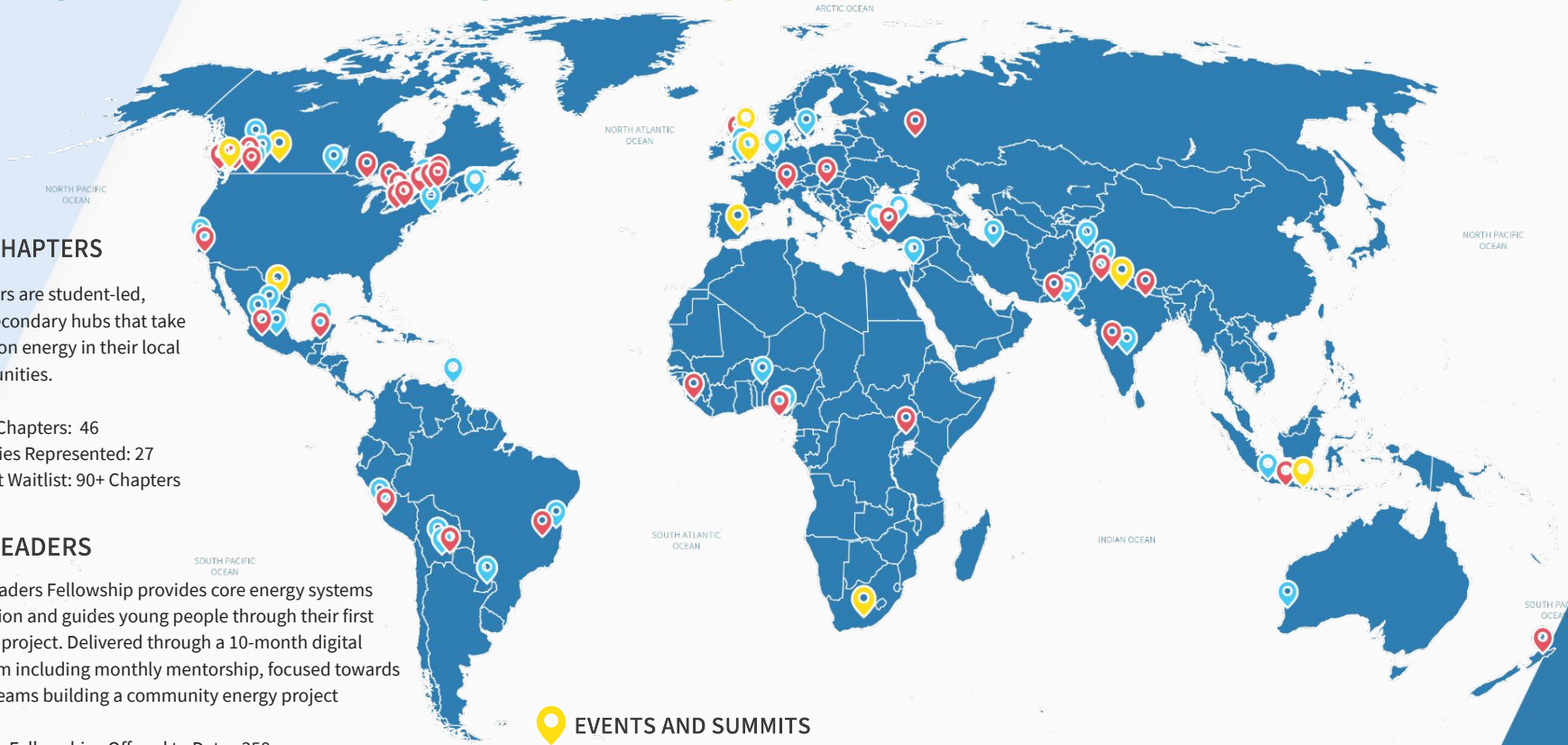
Our Leaders Fellowship provides core energy systems education and guides young people through their first energy project. Delivered through a 10-month digital program including monthly mentorship, focused towards small teams building a community energy project

Leaders Fellowships Offered to Date: 358
Growth Rate Since 2019: 50% annual
Current Wait List: 400+

EVENTS AND SUMMITTS

Student Energy's events and summits are broad in ambition and scope, ranging from the Student Energy Summit (SES) to the SevenGen Indigenous Youth Energy Summit, to marquee partnered events such as COP and CEM-MI.

Total Lifetime Attendees: 3,481
Total Represented Countries: 195



STUDENTENERGY BY THE NUMBERS

28

Full-Time
Staff

120

Countries
Represented
at SES

281

Youth Energy
Projects
Developed

975

Mentorship
Hours per Year

1,000+

Waitlisted
Youth for
Programs

12,533,000

Lifetime Digital
Content Views
(YouTube +
Website)

12

Years of
Operation

29,000+

Volunteer
Hours per year

\$10.1M

Funding
Stewarded to
Date

GLOBAL YOUTH CHANGE AGENTS

THINK IT

ENERGY SYSTEMS
MAP & YOUTUBE

CHAPTERS

INTERNATIONAL STUDENT
ENERGY SUMMIT

EDUCATE

INSPIRE

UNITE

TRY IT

GLOBAL YOUTH
ENERGY OUTLOOK

LEADERS
FELLOWSHIP

SEVENGEN

APPLY IT

YOUTH ADVISORY
COUNCILS

EMPOWER

IMAGENATION

CAREER TRAINING

LAUNCH IT

SPACE FOR YOUTH

RESOURCES TO YOUTH

SUSTAIN IT

GUIDED
VENTURES

INSPIRED
VENTURES

OUR SUSTAINABLE
ENERGY FUTURE

STUDENT ENERGY
ECOSYSTEM

A systems approach to achieving a sustainable, equitable energy future.

CHALLENGE WE ARE ADDRESSING

50%

of Global Youth

have never been asked their opinion on the future of energy by a government or organization

Addressed by
Global Youth Energy
Outlook

74%

of Global Youth

do not have a clear idea of how they can contribute to solving climate change

Addressed by Leaders
Fellowship & Chapters

82%

of Young Entrepreneurs

indicated that a lack of financial support is the main barrier to making entrepreneurship feasible

Addressed by Ventures

**ONLY \$45B OF
\$455B**

of Global Climate Finance

crossed borders from OECD to non-OECD countries, mostly in the form of loans

Addressed by Capital
Campaign

UNMET DEMAND

GLOBAL CHAPTERS

- 80-90 chapters on the waitlist
- 3-5 new expressions of interest (EOIs) weekly in 2021



LEADERS FELLOWS

- 600 applicants for the 2020 cohort
- Doubled intake since 2019
- Could not accept 422 candidates due to staff capacity



INTERNATIONAL SUMMITS

- 1,000+ delegate applications above capacity per summit (6,000+ lifetime)
- \$425,000 per summit funding gap for bursaries



ALUMNI INSPIRATION

KAKEMBO GALABUZI BRIAN



2015

Inspired by a speaker at the International Student Energy Summit 2015, pitched his idea for the Waste to Energy Youth Project

2015-2017

Develops company that transitions East African consumers from wood fuel to fuel briquettes manufactured from waste. For the first 2 years of his company, received no initial investment and lacked essential mentorship.

2018

Winner of Greenpreneurs prize, mentorship, and support through Student Energy, YCL, GGGI partnership

2020

Has engaged over 200 young people, and the project has become a fully fledged commercial enterprise with 12 full-time and 4 part-time staff.

Imagine unleashing 1000 young energy entrepreneurs globally through a supportive and well-resourced accelerator program.



ECOSYSTEM VISION \$150 MILLION BY 2030

10,000 YOUTH-LED CLEAN ENERGY PROJECTS BY 2030

Phase
1

Pilot

\$10 million

2021 to 2023

500 Projects
8,730+ Support
Hours

Phase
2

Iterate

\$20 million

2024 to 2025

1,500 Projects
38,500+
Support Hours

Phase
3

Build

\$50 million

2026 to 2028

3,000 Projects
80,800+
Support Hours

Phase
4

Self-replicate

\$70 million

2029 to 2031

5,000 Projects
88,500+
Support Hours

2021 GOAL

\$10 MILLION

2021

Primary objective:
Raise \$10M

Invest in scaling mentorship and coaching staff to meet demand, pilot Guided Ventures, strengthen governance and organizational system & solidify partnerships for future growth.

2022

Primary objective:
Deploy systems

Deploy capital and build systems in all 10 global regions of focus, convert more program alumni into Inspired Ventures.

2023

Primary objective:
Measure results

Evaluate results from Phase 1 and fill gaps where necessary, and prepare to scale programming based on phase 1 evaluations and successes.

BRIDGING THE GAP BETWEEN MOTIVATION AND ACTION

Young people are driven to implement climate solutions but lack the resources and know-how to deploy them at the scale and speed needed. Student Energy is seeking \$10 million to develop and deploy the missing components needed to unlock youth climate solutions this decade:



TRAINING



SUPPORT



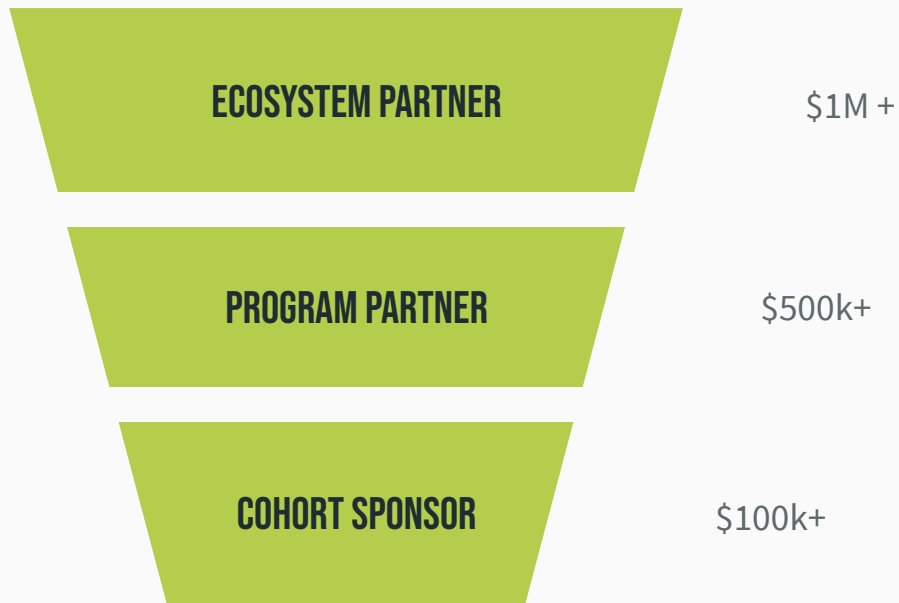
FUNDING



TOOLS

OUR ASK: TARGET FUNDING LEVELS

Partner with us to play a part in launching the biggest **youth-led climate solutions movement** to date.





LAUNCHING THE
SOLUTIONS MOVEMENT
2021 STUDENT ENERGY

APPENDIX

PHASE 1 USE OF PROCEEDS: **\$10 MILLION**

SUPPORT ECOSYSTEM - \$7M

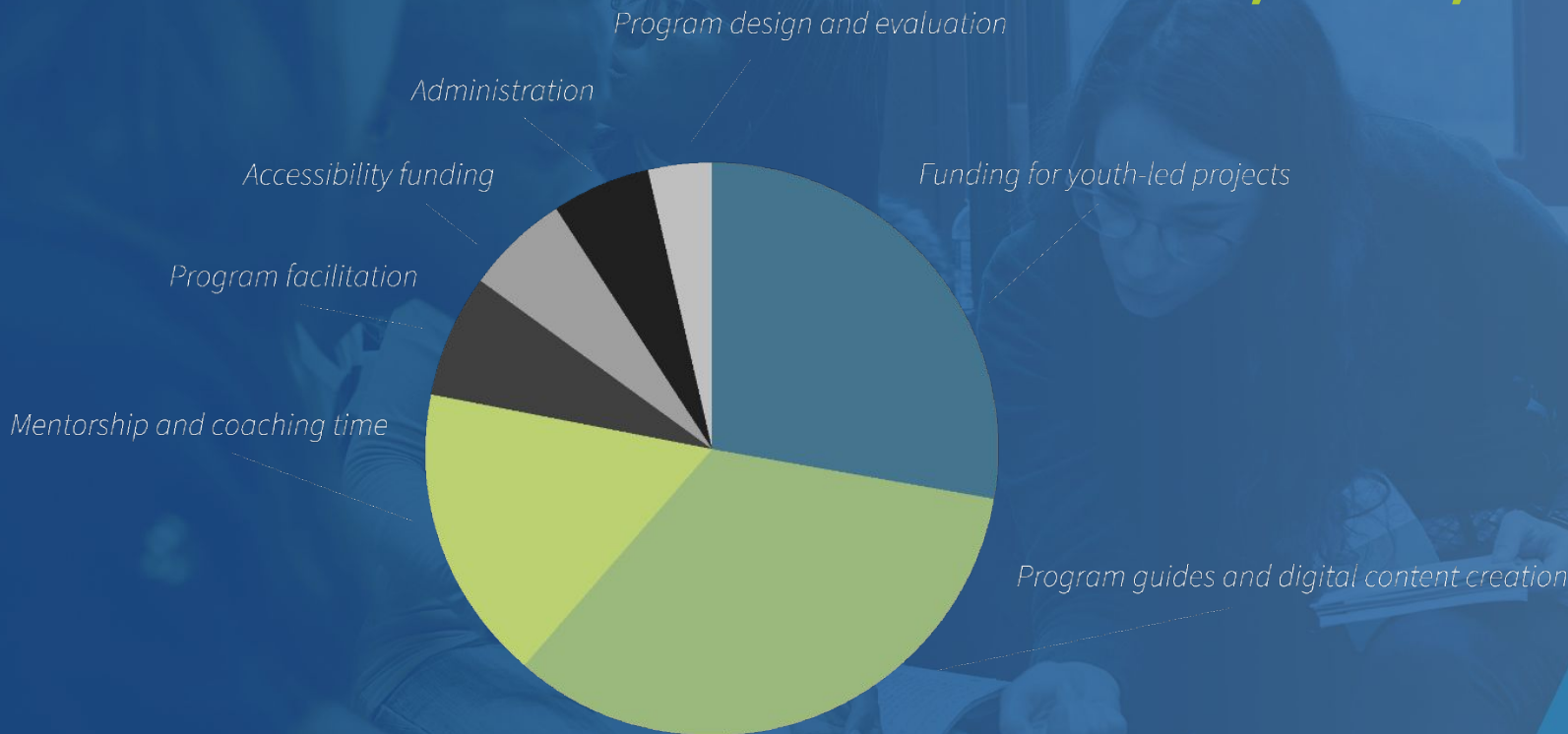
- Full build-out of free, publicly accessible Student Energy entrepreneurship programs from concept through to global launch
- Scale-up of intake for existing programs
- Development of structures, systems, processes and accountability measures a.k.a. “building blocks of a healthy organization”

FUNDING FOR YOUTH PROJECTS - \$3M

- Capital directly invested in real world ventures
- 500 funded ventures * \$6,000 average capital investment = \$3M
- Phase 1 Investments
 - 90% Guided Ventures (450 Ventures)
 - 10 Inspired Ventures (50 Ventures)
- Guided Ventures Streams
 - Molecules & Electrons
 - People & Systems

FORECASTING EXPENSES PER YEAR

TOTAL FORECASTED BUDGET 2021-23: **\$10,000,000**



STUDENT ENERGY TEAM

MANAGEMENT



MEREDITH

Executive Director



HELEN

Senior Director of Global Partnerships



SEAN

Co-Founder +
Capital Campaign
Chair



OLIVIA

Director of Global Youth Engagement



KABIR

Ventures
Coordinator



SHAKTI

Director of
Communications & Policy



MIHIR

Sr. Advisor Energy
Careers and
Entrepreneurship



DABIRA

Ventures & Capital
Campaign Associate



TIM

Director of Finance

BOARD DIRECTORS



KALI

Chair +
Co-Founder



MRINALINI

Vice-Chair



JANICE

Co-Founder



ANDREA

Director



DAN

Director



SHAYAN

Director



JULIA

Director



KAKEMBO

Director



SANTIAGO

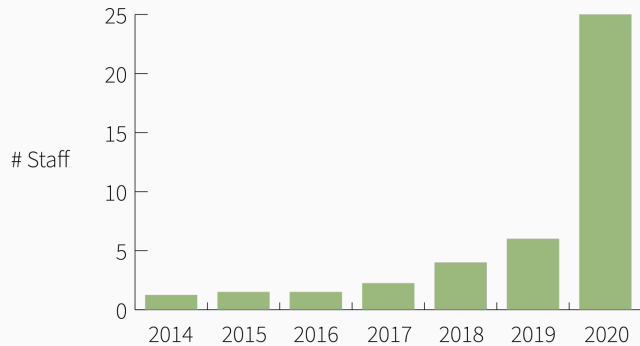
Director



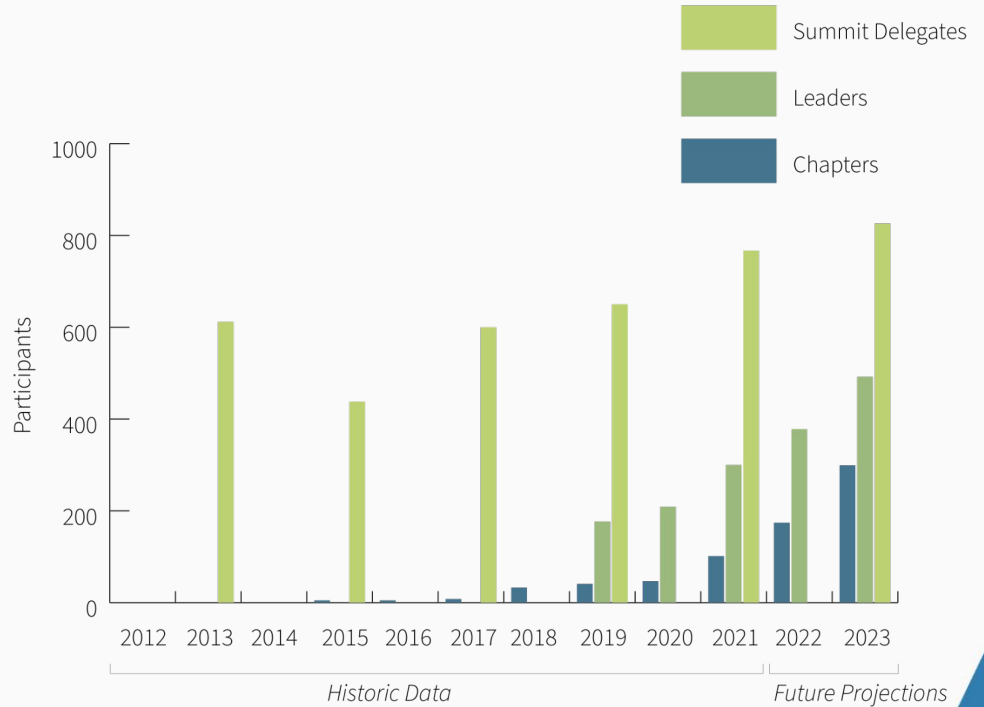
ASHLEY

Director

HISTORIC & PROJECTED PROGRAM GROWTH



STAFF GROWTH



PROGRAM GROWTH

STAFF

ABDULLAH

Strategic & Global
Partnerships Manager

ANTONIA

E-Learning Specialist

ELIJAH

Ventures Assistant

JORDYN

SevenGen Co-Chair

MARCUS

Global Community
Manager

SOHAM

Energy Education
Project Coordinator

ADRIANA

Organizational Growth
Coordinator

CAMILO

Leaders Fellowship
Coordinator

FIONA

Data & Administrative
Assistant

KOKILA

Design & Media
Coordinator

NATHAN

SevenGen Co-Chair

TARRAS

Internal
Communications
Manager

ANGELA

Data & Operations
Manager

CHLOE

Data & Systems
Coordinator

GRACE

Global Programs
Coordinator

LEXI

Partnerships &
Resourcing
Coordinator

OLUBUNMI

Energy Education
Coordinator

VAUGHN

Community Associate

AILETTE

Design & Media
Coordinator

CLARIS

Internal Systems
Manager

JACKIE

Digital Engagement
Coordinator

MAHEEP

Leaders Fellowship
Coordinator

REGIONAL COORDINATORS

ARSENI

Eastern Europe &
Central Asia

JARRET

North America

KAYLA

OECD Pacific

NABILA

Southeast Asia

PAOLA

Latin America

TIANNA

North America

CHIBUNNA

Sub-Saharan Africa

JOSHUA

Southeast Asia

LINETTE

Europe

NYASHADZASHE

Middle East & North
Africa

SYED

Indian Subcontinent

YE

Greater China

STUDENT ENERGY PARTNERS & FUNDERS



PROGRAMS OVERVIEW



INTERNATIONAL STUDENT ENERGY SUMMIT

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SEVENGEN

The SevenGen Council hosts the Indigenous Youth Energy Summit and ImaGeNation the Indigenous Youth Mentorship Program. Their work fosters Indigenous youth-led leadership on sustainable energy development.



SEVENGEN2021

THE POWER OF KINSHIP
INDIGENOUS YOUTH ENERGY SUMMIT

PROGRAMS OVERVIEW



ENERGY TRANSITION CAREERS TRAINING

Energy Transition Career Training (ETCT) is a four-month cohort-based intensive that gives students their first experience executing a real-world energy project in data, modeling, policy analysis or project development.

Expressions of Interest: 197
Countries represented: 29



GLOBAL YOUTH ENERGY OUTLOOK

The Global Youth Energy Outlook (GYEO) is an entirely youth-led research project that aims to connect with 50,000 young people from around the world. It aims to answer the questions: (1) What actions do young people want to see happen to deliver a sustainable energy transition by 2030? (2) How do young people want to be part of energy solutions needed for this transition?

Student Energy staff: 8
Regional Coordinators: 12
Volunteer ambassadors: 250
Outreach partners: 80
Knowledge partners: 8



IMAGENATION

ImaGENation is an Indigenous Youth Mentorship Program in partnership with Indigenous Clean Energy, Student Energy, and SevenGen Student Council. The goal of the program is to provide an opportunity for Indigenous youth (ages 18-30) from across Canada to design, implement, learn about, and celebrate youth-led clean energy projects as it relates to land, food, water, and infrastructure sustainability within their community.



LEADERS FELLOWSHIP

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PROGRAMS OVERVIEW



YOUTH ADVISORY COUNCILS

A Youth Advisory Council is a small representative group of youth with specific expertise, interests, and experiences, that work with an organization to advise on a specific issue or scope of work. At the end, advisors present the leadership of the organization with a set of recommendations and work hands-on with decision-makers to build a roadmap for implementing youth inputs.

Past youth advisory council organizations: WSP Global, Mission Innovation



GREEN PRENEURS

Greenpreneurs is a cross-cutting virtual entrepreneurship incubator creating opportunity for youth to connect globally, facilitate knowledge sharing, and receive the support and idea validation to take their ideas from conversation to tangible impact.



ENERGY SYSTEM MAP & YOUTUBE CHANNEL

The Energy System Map is a tool that makes the complex world of energy accessible. Combined with various Energy 101 videos on Student Energy's YouTube channel, these accessible digital energy education tools have received global attention from youth interested in learning about the energy systems.

Total digital lifetime views: 12.5M+

STUDENT ENERGY

VENTURES SUMMARY

Student Energy Ventures will apply our expertise in developing **tools and training programs for young people** among our 50,000+ global youth audience to originate “Guided Ventures” and “Inspired Ventures”.

OBJECTIVE:

**CREATE A HIGH VOLUME OF
TEMPLATED PROJECTS AND
INNOVATORS TO LEAD THE
CLEAN ENERGY TRANSITION.**



GUIDED VENTURES

- Delivered by Chapters, Leaders and Greenpreneurs alumni
- Student Energy will lead the creation of “plug-and-play” templated projects
- Training, template tools, and mentorship portal will be housed on an online module
- Focus of Ventures pilot program
- Planned guided ventures: solar, clean cooking, energy efficiency, electric transportation

INSPIRED VENTURES

- Customized coaching and tools designed to allow innovative youth concepts to flourish
- Flexible model to support young people who have identified unique solutions for their communities
- Mass volume with low transaction costs

THE GUIDED VENTURES EXPERIENCE

PILOT PROGRAM PARTICIPANTS WILL CHOOSE A PLUG-AND-PLAY CLEAN ENERGY PROJECTS TO DEVELOP IN THEIR COMMUNITY

Selected teams will undertake a 2-year project development training course designed for their chosen Guided Venture. Hosted on our web platform, training will include webinars, worksheets, and mentorship access. Successfully completing project deliverables will unlock higher levels of funding, ultimately leading to supplies procurement.

Motivation

Apply for SE Ventures, recruit team, and choose template project

Concept

Start online training modules, identify mentors, start project planning and fundraising

Feasibility

Scope renewable resource, undertake off-taker agreements, conduct feasibility studies, apply for permits

Procurement

Tender bid for supply chain resources, form construction plan, finalize interconnection risk plan

Construction

Construction and interconnection installer shadowing

Evaluation

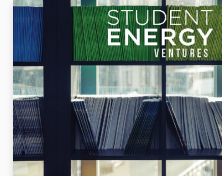


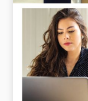




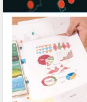
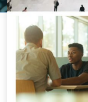
Post project reflection, explore future entrepreneurship opportunities

INITIAL VENTURES CONCEPTS

MOLECULES & ELECTRONS PROJECTS:

 STUDENT ENERGY VENTURES	 STUDENT ENERGY VENTURES	 STUDENT ENERGY VENTURES
 INSPIRED VENTURES SHAPE YOUR PATH IN ENERGY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	 SOLAR PV OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	 BUILDING ENERGY EFFICIENCY OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.
 STUDENT ENERGY VENTURES	 STUDENT ENERGY VENTURES	
 CAMPUS ELECTRIC TRANSPORT OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	 CLEAN COOKING OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	

PEOPLE & SYSTEMS PROJECTS:

 STUDENT ENERGY VENTURES	 STUDENT ENERGY VENTURES	 STUDENT ENERGY VENTURES
 ENGAGING IN LOCAL ENERGY POLICY OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	 SOCIAL ORGANIZING FOR SUSTAINABLE ENERGY OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	 JOURNALISM FOR PODCASTS AND SUSTAINABLE ENERGY OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.
 STUDENT ENERGY VENTURES	 STUDENT ENERGY VENTURES	
 DATA, MEASUREMENT, AND REPORTING FOR SUSTAINABLE ENERGY OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	 INFLUENCING BEHAVIOUR CHANGE FOR SUSTAINABLE ENERGY OVERVIEW & PROJECT SUMMARY The Student Energy Ventures team has been inspired by the growing energy industry and the need for sustainable energy solutions. We are looking for students who are passionate about energy and want to make a difference in the world.	