

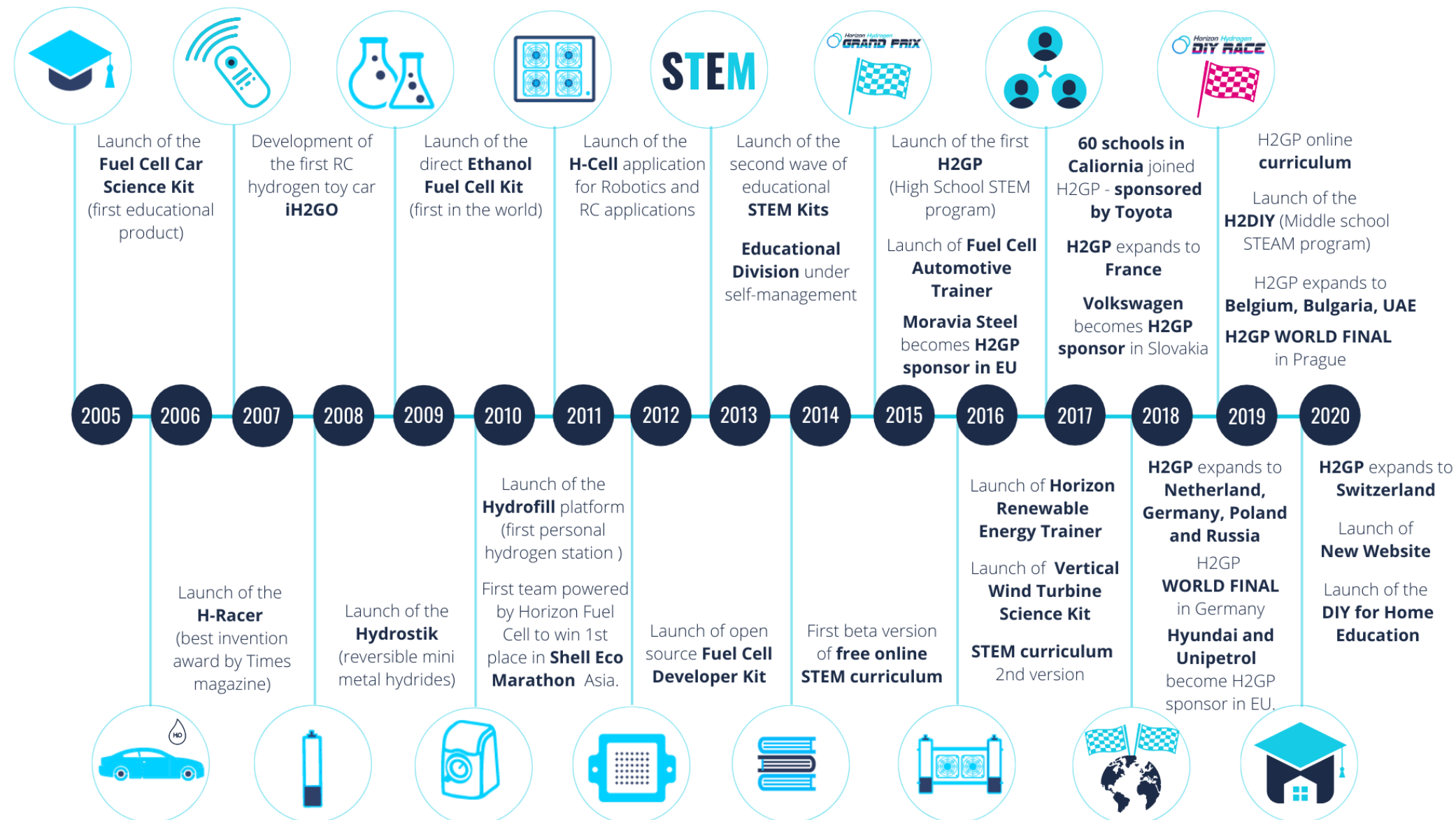


Horizon Hydrogen **GRAND PRIX**



OUR COMPANY

GLOBAL PROVIDER OF RENEWABLE ENERGY EDUCATION KITS



LOS ANGELES, USA

1001 Wilshire Boulevard #1099 Los Angeles CA 90017

PRAGUE, CZECH REPUBLIC

Narodni 416/37 Prague 11000

2 OFFICES

17 YEARS OF EXPERTISE

1 TEAM

OUR MISSION

RELIABLE WORKFORCE FOR TOMMOROW'S CHALLENGES

Events early on in the 21st century like Deepwater Horizon and millions of acres of forests burning in North America and Russia have shown the folly of a fossil fuel powered world. However, while the global economy has most of the essential resources to transition to a zero emissions economy it lacks one crucial element: a young workforce with the right technical knowledge and job-ready skillsets.

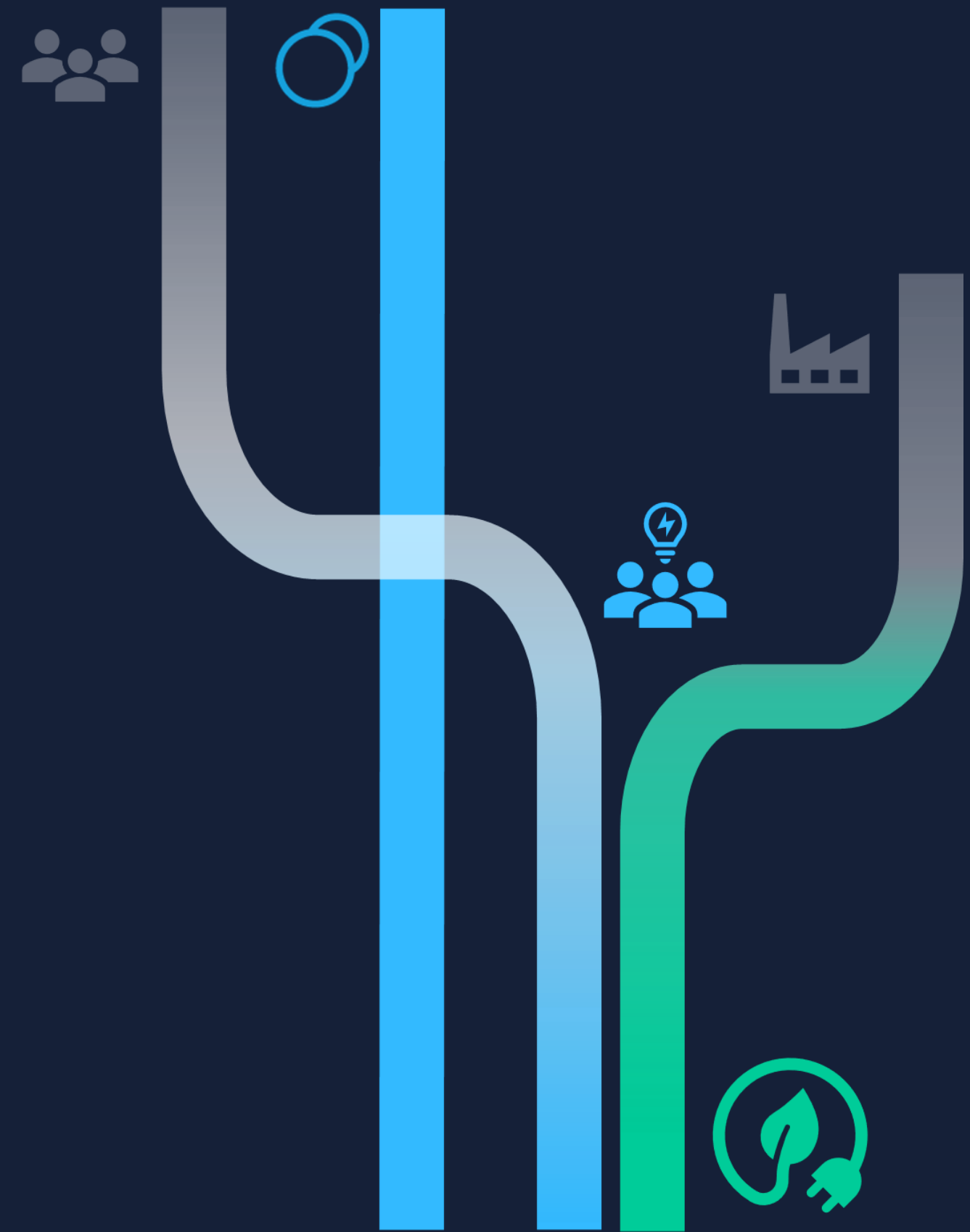
Hydrogen and fuel cells have moved from the edge of the stage towards the center in humanity's fight to establish a regenerative world, and they are joined by other technologies such as solar panels and batteries.

However, in order for renewable technologies to advance and properly replace fossil fuels in all their forms this requires the direct investment of young people. This is why Horizon Educational is dedicated to giving educators globally the tools and resources to not only teach students about renewable energy, but also to electrify the imagination of students so that they can figure out how to design and build the next leading-edge renewable energy products.

Horizon Educational knows that without young people embracing renewable energy they have no future, and if they do not have a future then neither does this world.

TIME FOR HYDROGEN EDUCATION IS NOW!

ORGANICALLY CULTIVATING
YOUNG EXPERTS FOR AN
ELECTRIFIED SOCIETY



OUR SOLUTION

NURTURING FOUNDATIONAL KNOWLEDGE & SKILLSETS

Horizon Educational sells science kits that parents and teachers can both use to help students learn about all aspects of renewable energy. The kits are designed to be engaging for everyone while giving young people tangible ways to see and experience the power of renewable energy.

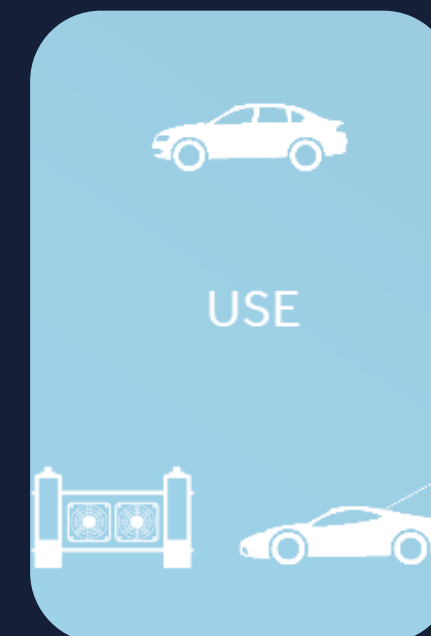
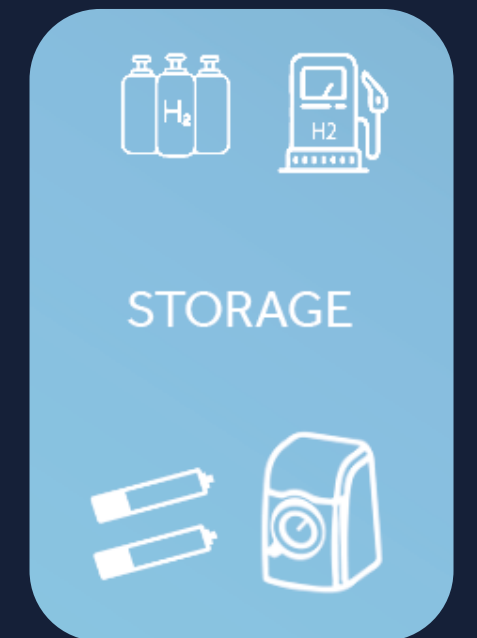
However, Horizon Educational also created the H2GP program which is a leading-edge semester long program. The first half of it involves teachers using Horizon Educational's curriculum to teach students in-classroom about renewable energy, and it is supported by small practical exercises.

The second half of the initiative requires students forming teams, building remote controlled FCEVs, and then putting those FCEVs through a series of endurance races. While the in-classroom studies establish and then build-out student knowledge regarding renewable energy, the races help students to develop essential skillsets like critical thinking, teamwork, and working with large data sets.

H2GP is the only guided program in the world that provides students with hands-on experience across the whole hydrogen value chain.

**I HEAR AND I FORGET.
I SEE AND I REMEMBER.
I DO AND I UNDERSTAND.**

LEARNING THE PROCESS



HARDWARE

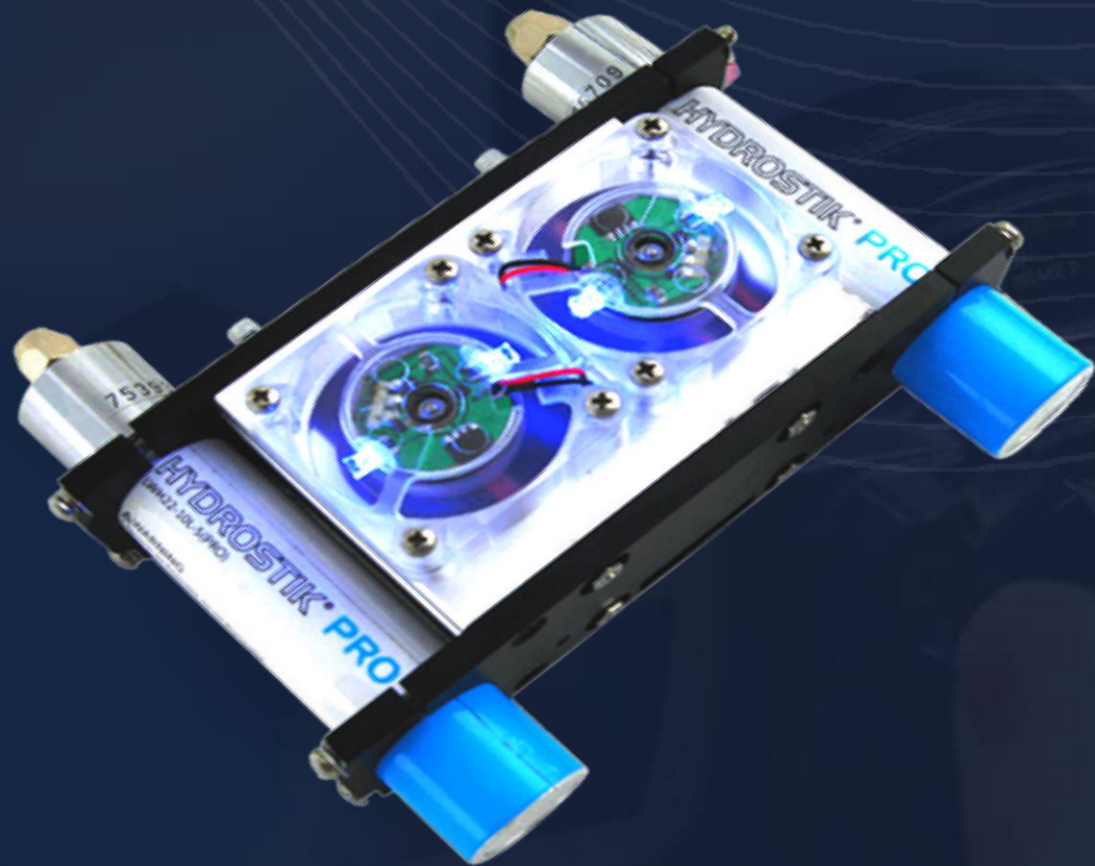


HORIZON ENERGY BOX

H-CELL 2.0

HORIZON 1:10 SCALE RACE CAR

DESKTOP HYDROGEN GENERATOR



EDUCATIONAL PROGRAM

EXPERTS OF TOMMOROW, RACE WITH US TODAY

SOLUTION TESTING

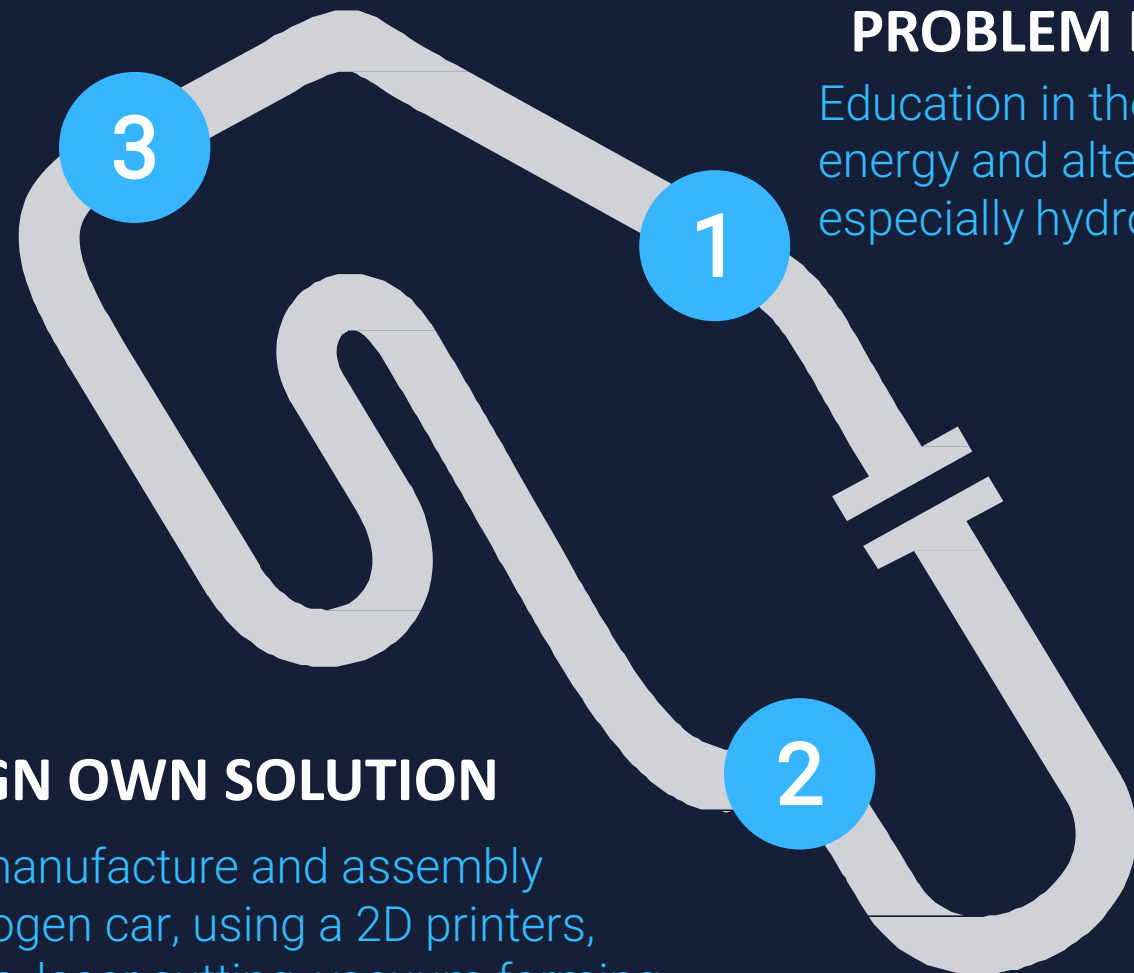
Testing of own solution in endurance race with other students from the region and from the world.

DESIGN OWN SOLUTION

Design, manufacture and assembly of a hydrogen car, using a 2D printers, CNC lathe, laser cutting, vacuum forming, Autodesk software, and many more..

PROBLEM DEFINITION

Education in the field of renewable energy and alternative fuels, especially hydrogen fuel cells.



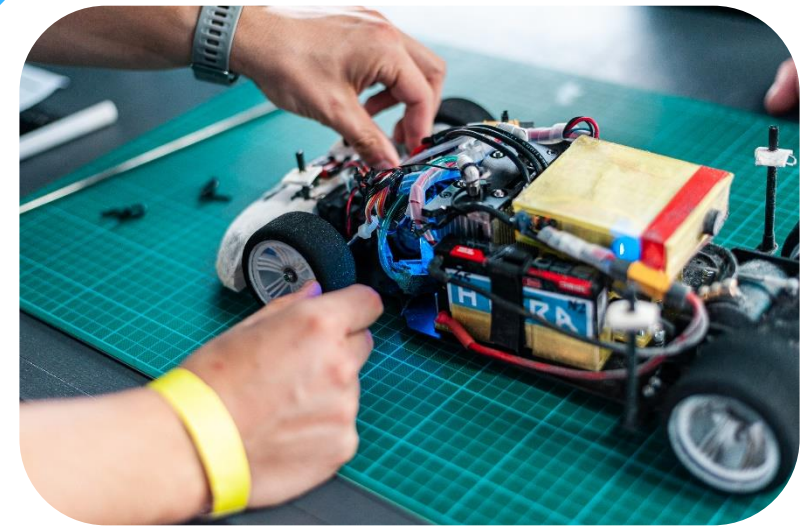
4 MONTH
PREPARATION

LIFELONG
EXPERIENCE

4 HOUR
ENDURANCE RACE SERIES

Horizon Hydrogen
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1 BUILD



2 IMPROVE



3 COMPETE!





Horizon Hydrogen
GRANTO PRIX



17

19

21

23

Horizon Hydrogen
GRAND PRIX



Under Represented Populations



The H2GP program is also the only STEM initiative available to every student. At the 2022 California Finals 95% of team composition crossed borders in at least one way, with 90% of the teams crossing borders in multiple ways.

Horizon Educational strongly believes that advanced careers should be within reach of *every* student.



IMPACT ON STUDENTS

EXPERTS OF TOMMOROW, RACE WITH US TODAY

- VALIDATION OF STUDENT KNOWLEDGE AND SKILLS
- INTRODUCING STUDENTS TO NEW CAREER PATHWAYS
- ADAPTABILITY, CREATIVITY, DECISIVENESS, OWNERSHIP
- COMMUNICATION, LEADERSHIP, TEAM WORK
- UNDERSTANDING A PROBLEM AND FINDING A SOLUTION
- ENABLING STUDENTS TO SEE SOLUTIONS TO GLOBAL ISSUES

4 MONTH
PREPARATION

LIFELONG
EXPERIENCE

4 HOUR
ENDURANCE RACE SERIES

Horizon Hydrogen
GRAND PRIX



H2GP COMMUNITY

THE LONGEST RUNNING HYDROGEN COMPETITION IN THE WORLD

Since 2015, H2GP has grown successfully with more than 5000 students across the world today. Our program kept strong interest of the community even during the pandemic, when all races were cancelled and teams all over the world were unable to compete.



Join us and deliver the life-time experience through education.

8 YEARS

10 COUNTRIES

80 RACES

2015 | 13 teams

 USA  CZ

2016 | 30 teams

+  SLO

2017 | 57 teams

+  NLD

2018 | 116 teams

+  GER  RUS


2019 | 171 teams

+  FRA  BEL  BUL




2020 | 248 teams

+  UAE

2022 | 300 teams

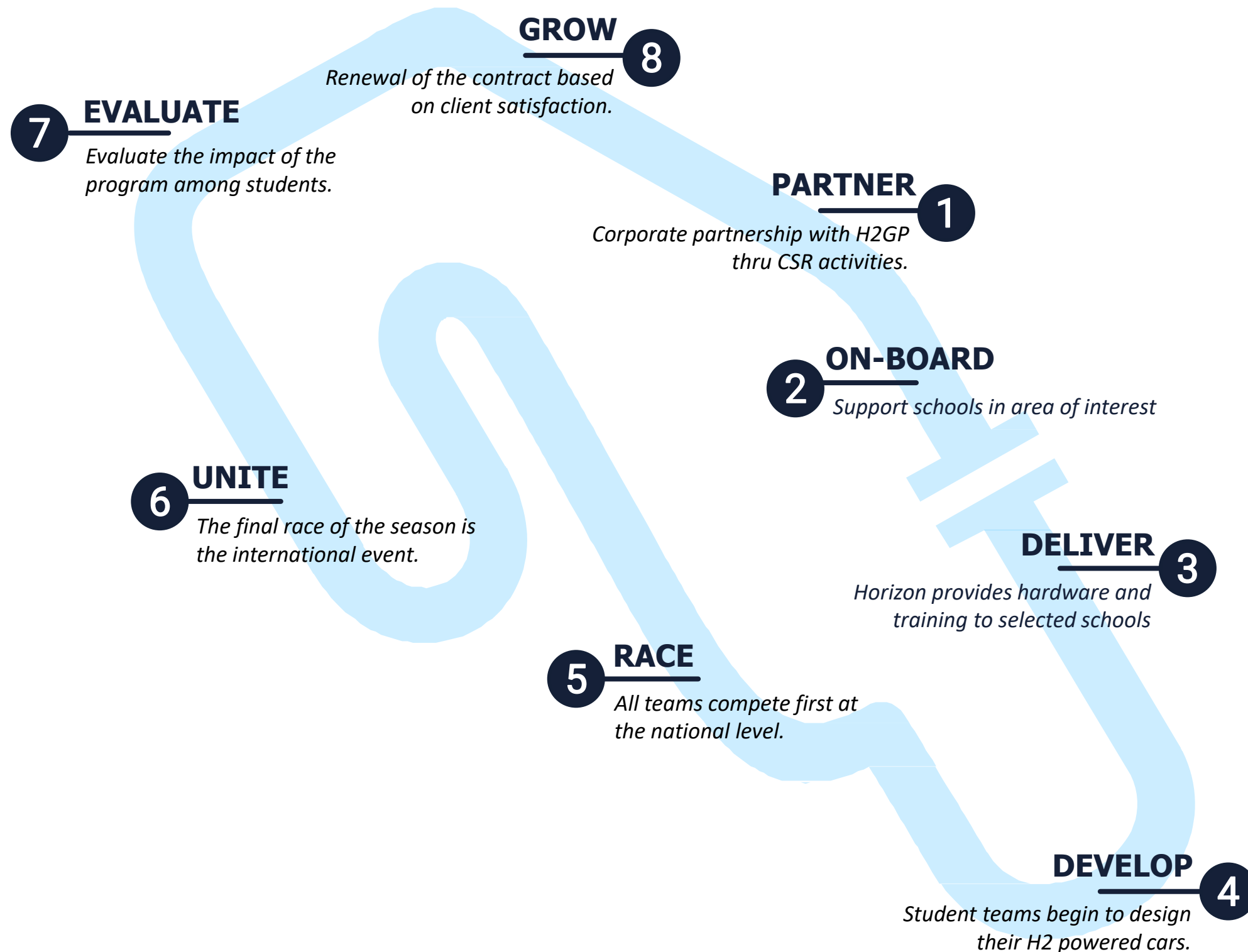
+  SUI

2022 | 299 teams

+  US  CZ  NLD

JOIN THE COMMUNITY

CONSISTENT EFFORT, LONGTERM RESULTS



WHAT IT TAKES TO START

- 1 FINDING PARTNERS**
- 2 SCHOOLS ON-BOARDING**
- 3 HARDWARE DELIVERY**
- 4 PROGRAM EXECUTION**
- 5 NATIONAL RACES**
- 6 WORLD CHAMPIONSHIP**
- 7 ANNUAL IMPACT REPORT**
- 8 REPEAT AND GROW**



**THIS IS WHAT
ADULTS NEED
TO LEAVE
TO FUTURE
GENERATIONS.**

**BUT THIS IS
PRESENTLY
WHAT ADULTS
ARE LEAVING
BEHIND.**



THE TIME FOR HYDROGEN EDUCATION IS *NOW*

ARE YOU WITH US ?

ENGAGING STUDENTS



8+ YEARS

ELECTROLYZERS INSTALLED



3100

HYDROGEN PRODUCED



100 000 LITERS

DISTANCE TRAVELED



40 000 KM

CO2 EMISSIONS



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