



POLYTECH

Peter the Great
St. Petersburg Polytechnic
University



POLYTECH

Solar

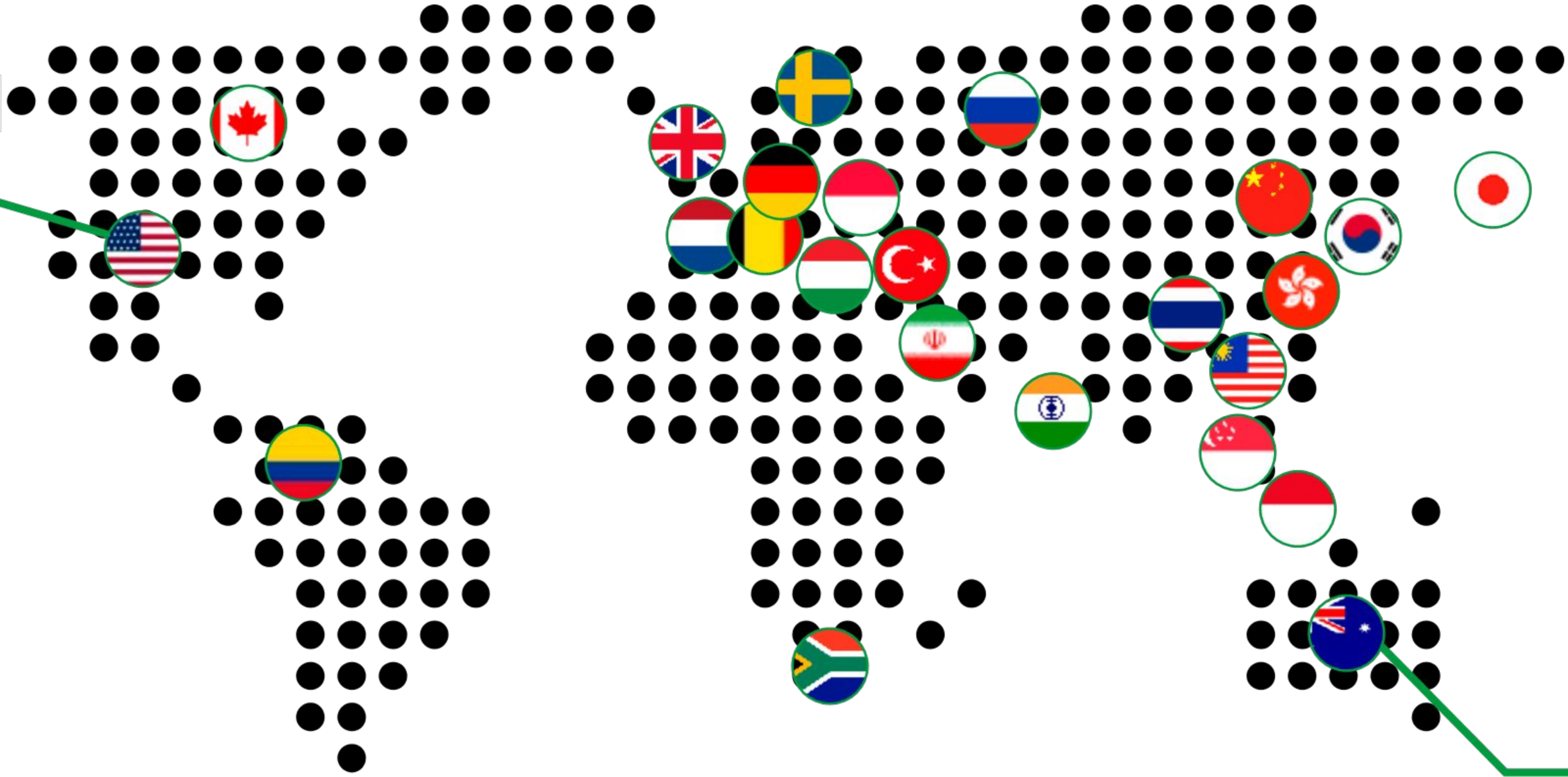


SOLAR TEAMS WORLD MAP



MORE THAN **50**
TEAMS

1200
PARTICIPANTS



24
COUNTRIES

350
VOLOUNTEERS



MEDIA

THE INTERNET

MORE THAN
1000000 PEOPLE
FOLLOW SOLAR CAR RACE
ON FACEBOOK

MORE THAN
1000000 VIEWS
ON THE OFFICIAL PAGE

MASS MEDIA

150 MENTIONS IN
THE INTERNATIONAL
MEDIA
TV CHANNELS
THE 1-ST CHANNEL, BBC, CNN&ETC.

RADIO
PRINTED MATERIALS

UNIVERSITY



POLYTECH

Peter the Great
St. Petersburg Polytechnic
University

MORE THAN
30000
STUDENTS

3 **NOBEL**
LAUREATES

IN TOP 250
WORLD
UNIVERSITY
RANKINGS

The National Research
Center (university)
in Russia was
founded in 1899.

People who were studying and lecturing at **Peter the Great St. Petersburg Polytechnic University** during more than one hundred years made the contribution to fame and recognition of the university. The Nobel laureates such as **P. L. Kapitza**, **N.N.Semyonov**, **Zh.I.Alfeyorov**, academicians **A.F.Iofe**, **I.V.Kurchatov**, **A.A.Radtsig**, **Yu.B.Khariton**, chief designer **O.K.Antonov** —are just a few names among hundreds of talented scientists and production managers, whose activities are connected with the University and whose achievements were a basis for development of Russian science and engineering.

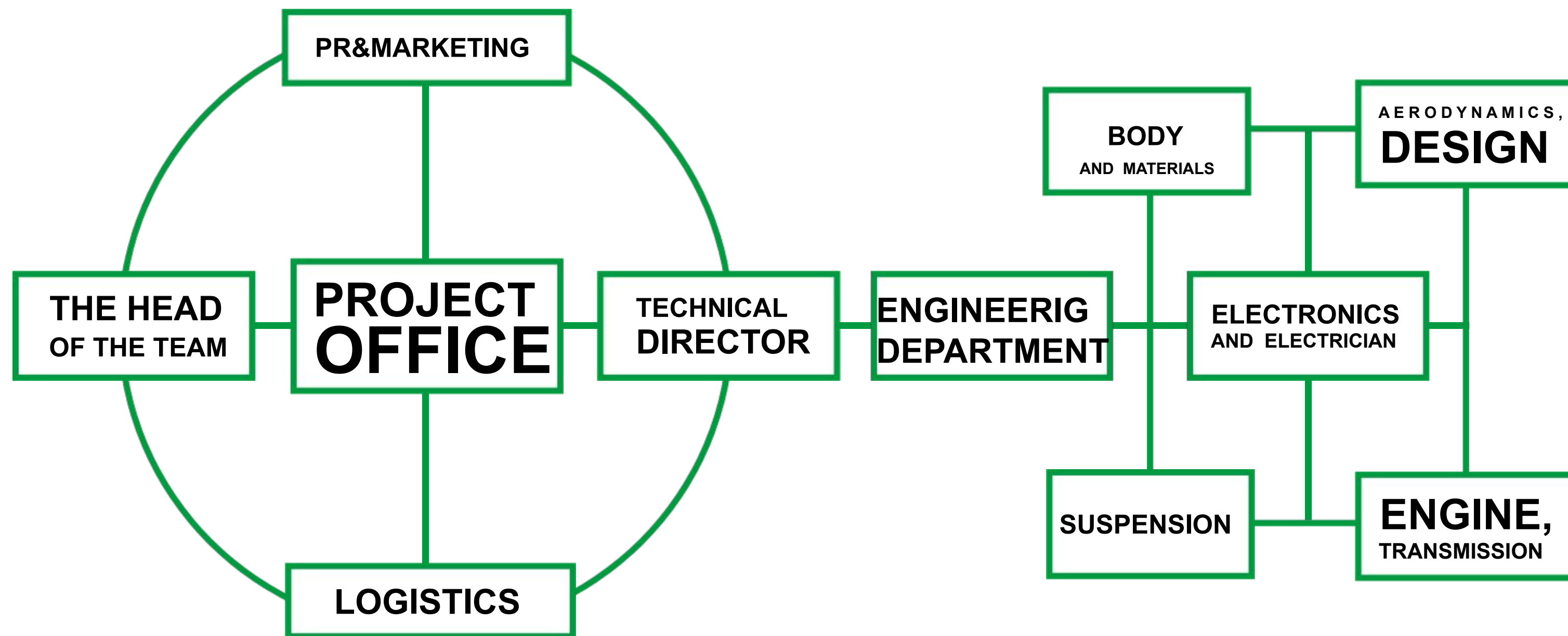
EXPERIENCE



Saint Petersburg Polytechnical University has already had a great success in implementing **youth international hightech projects**. For example, the presentation of the first student's sportcar for world racing series «**Formula Student**» in Saint Petersburg and the Northwestern Federal District in **December 2015**.



POLYTECH SOLAR TEAM



TEAM STRUCTURE

Young and ambitious team consists of graduates and undergraduates from 8 different institutions SPbPU of Peter the Great. They show the main strength of the University — the tenacity and the spirit of the unity.

OUR PROJECT



THE FIRST SOLAR CAR IN RUSSIA

LENGTH, WIDTH, HEIGHT , MM	4500, 1800, 1050
PREDICTED WEIGHT, KG	UP TO 250
WEIGHT OF THE PILOT, KG	UP TO 80
NUMBER OF WHEELS	4
NUMBER OF THE DRIVING WHEELS	2
TIRES	MICHELIN SOLAR SPECIAL

OUR PROJECT

CELL TYPE **SINGLE CRYSTALLINE SILICON**

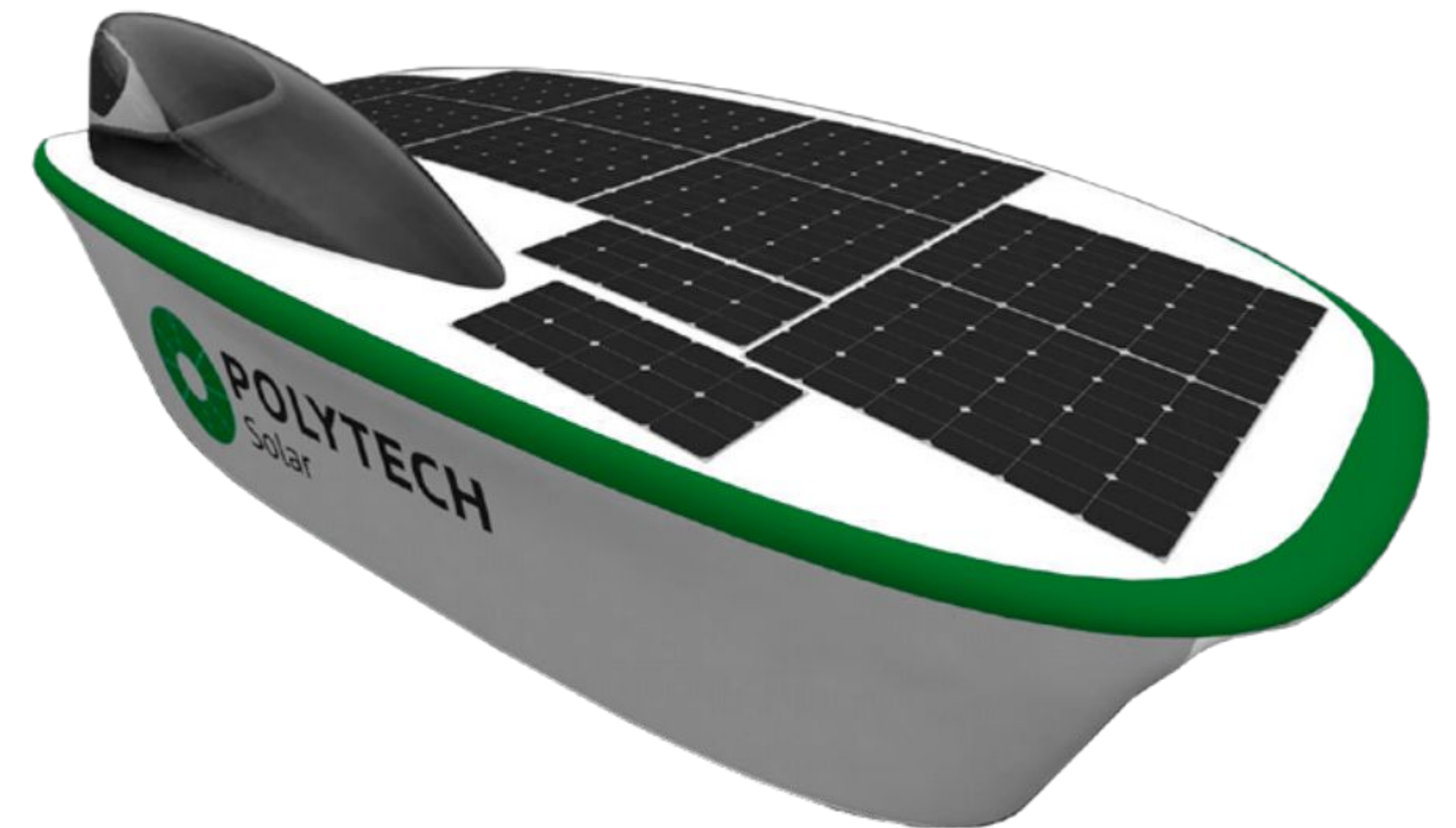
SOLAR CELL EFFICIENCY **MORE THAN 21%**

CELL PANELS **NOT LESS THAN 4 M²**

RUNNING GEAR **ELECTRICAL MOTOR WHEELS**

ELECTRIC MOTOR EFFICIENCY **NOT LESS THAN 95%**

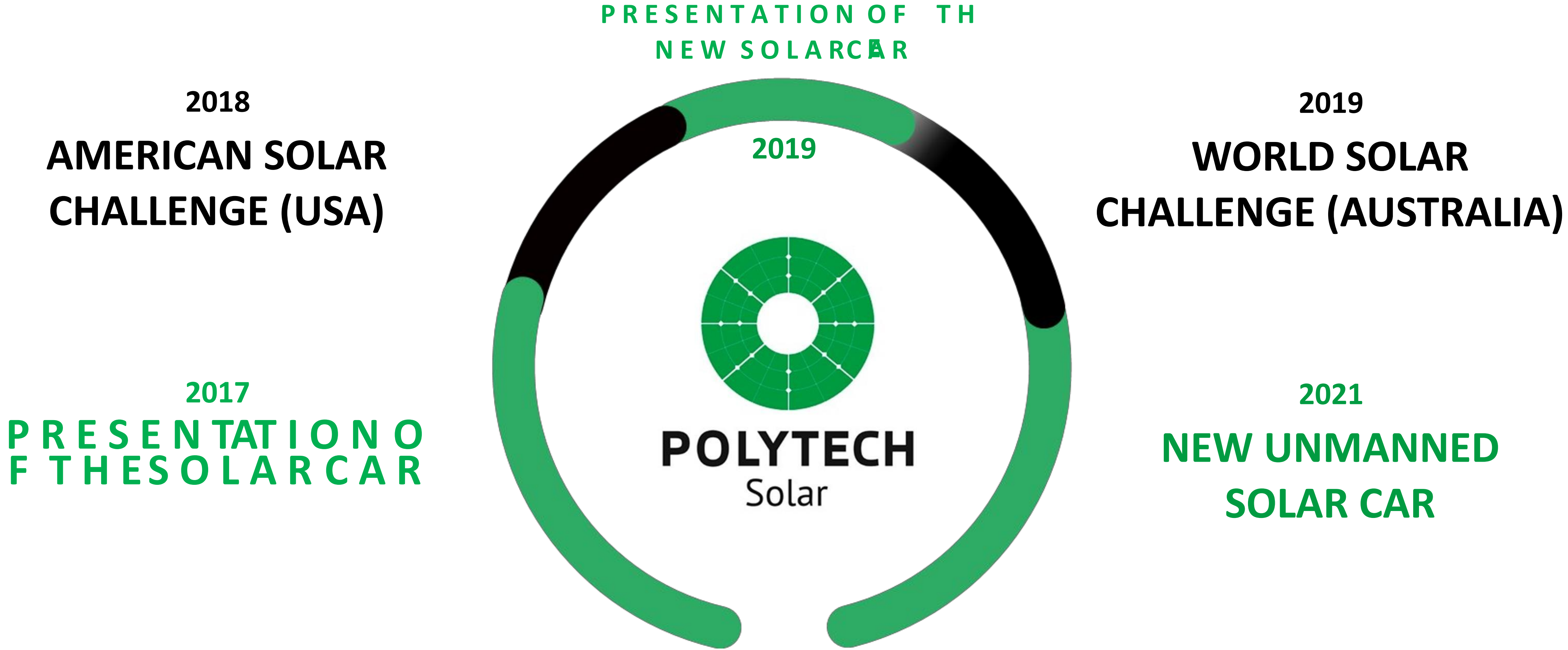
ONBOARD BATTERIES **PACKAGE UNITS LI-ION BATTERIES, WITH THE WEIGHT AROUND 20 KG**



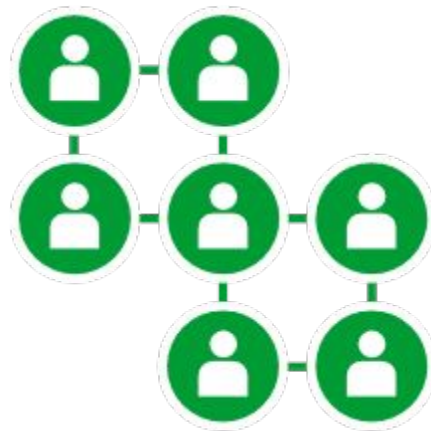
OUR CAR. SOL



OUR STRATEGY



AMERICAN SOLAR CHALLENGE



MORE THAN
1000
PARTICIPANTS



ONE OF THE
LARGEST-SCALE
SOLAR CAR RACE
IN THE WORLD



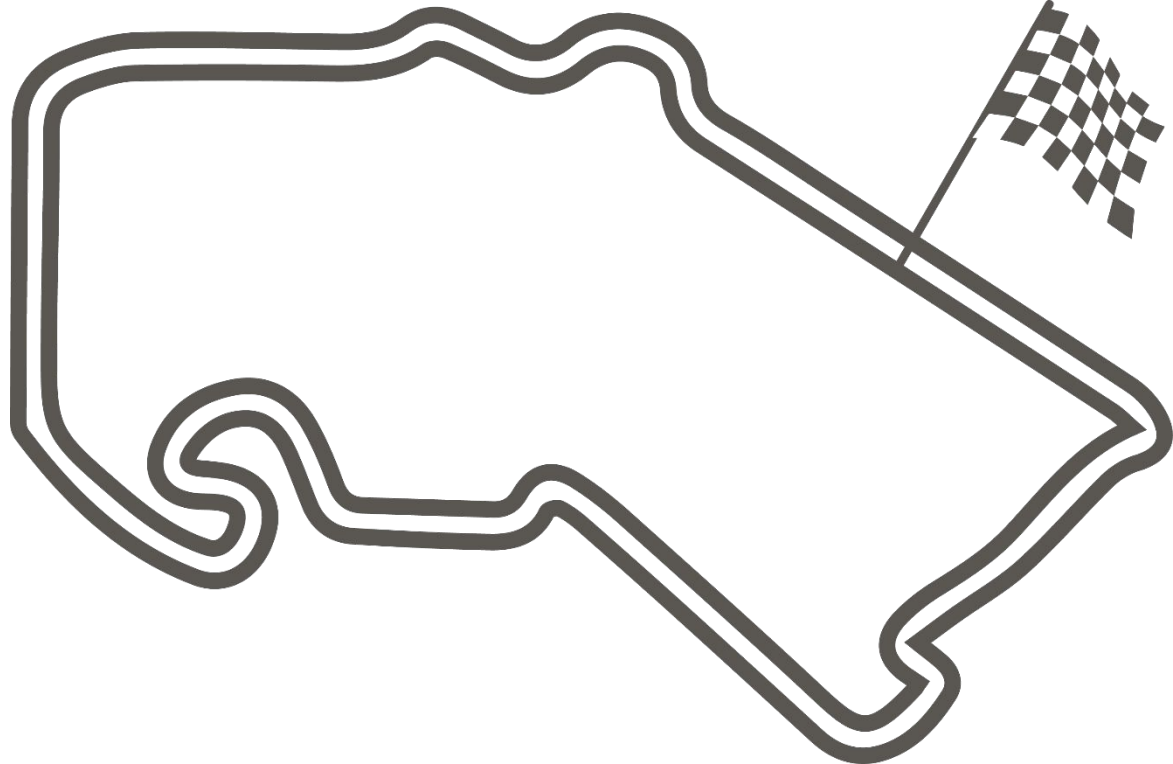
THE BEST
UNIVERSITIES
OF THE WORLD

The purpose of the American Solar Challenge is to show the advantages of using electric vehicle with solar batteries.

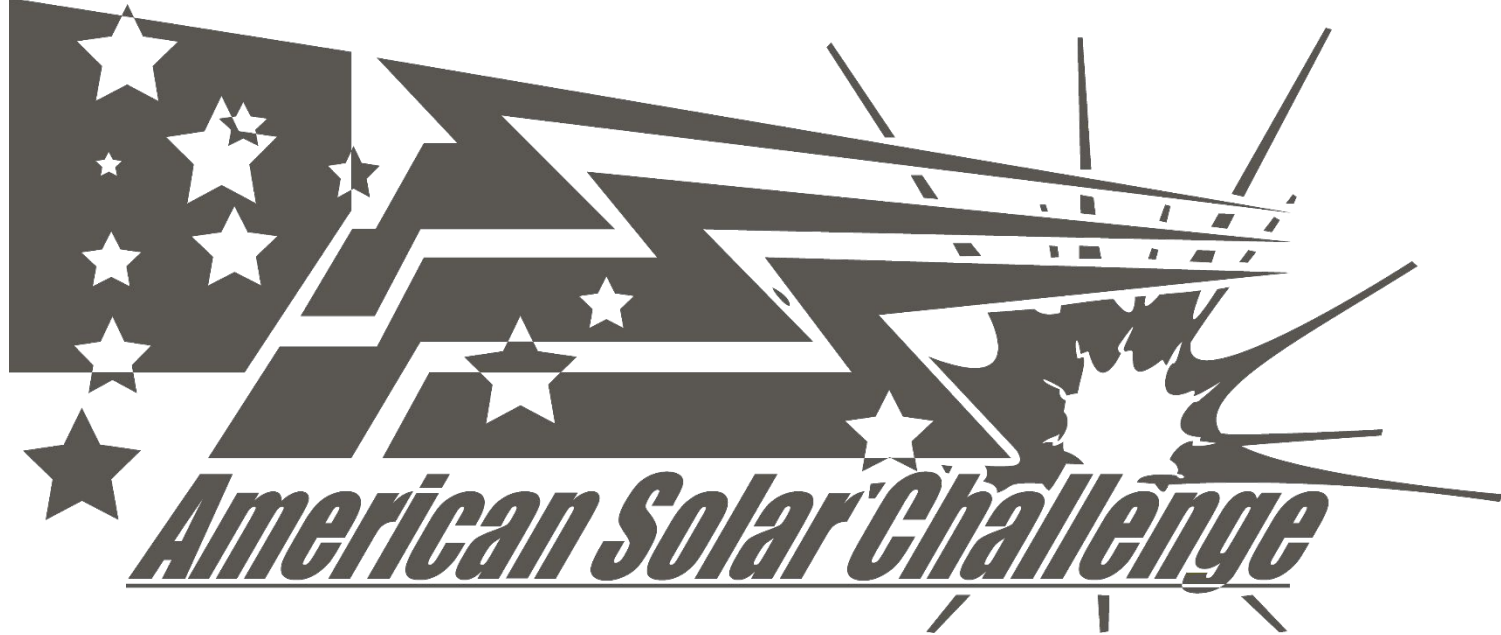
COMPETITIONS



1. SCRUTINEERING



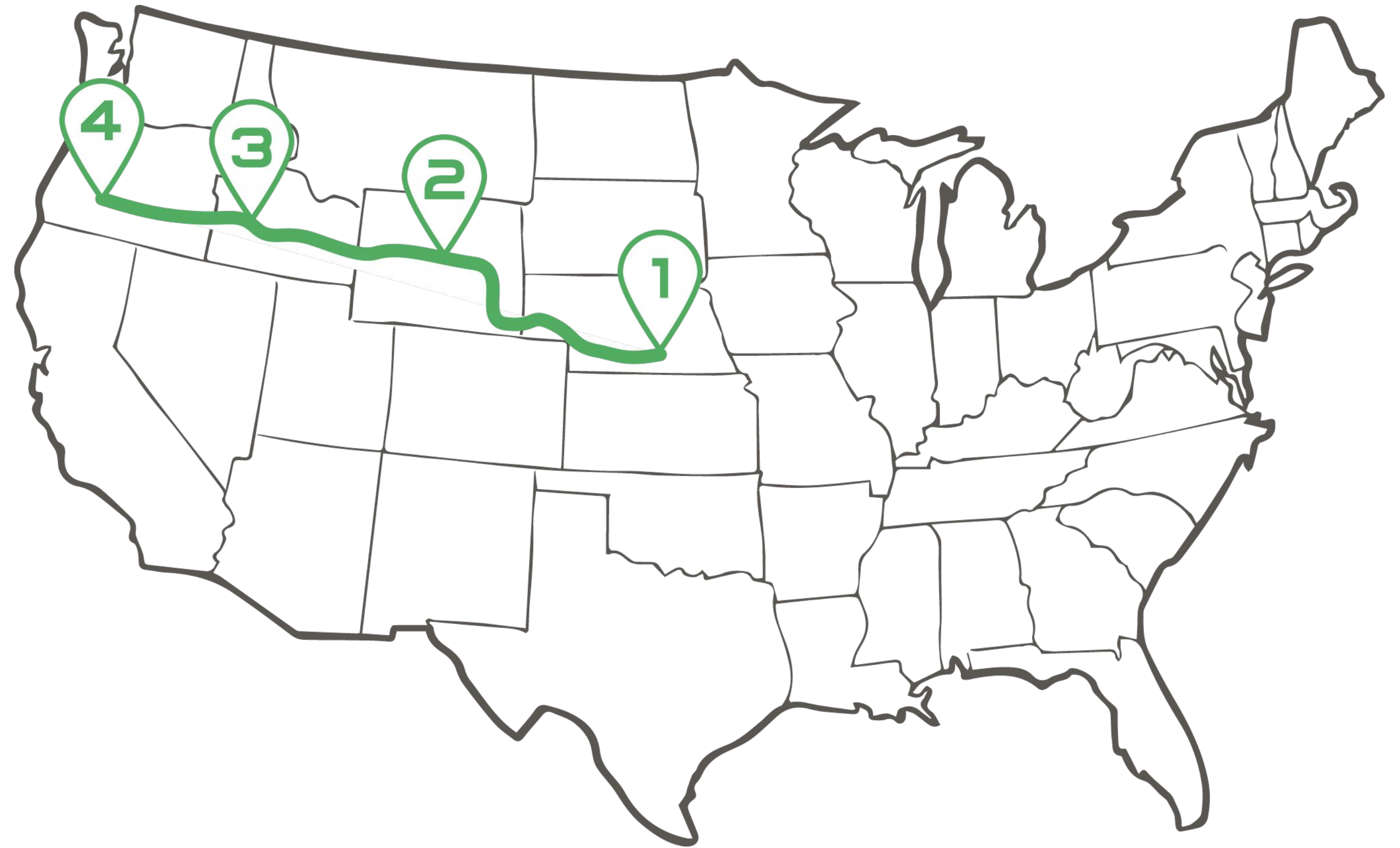
2. FORMULA SUN GRAND PRIX



3. AMERICAN SOLAR CHALLENGE

AMERICAN SOLAR CHALLENGE 2018

1. **Hastings, Nebraska, USA**
2. **Wyoming, United States**
3. **Idaho, United States**
4. **Bend, Oregon, USA**



COSTS

No	Budget categories	Amount, RUB
1	Delivery of the solar car	1 100 000
2	Tickets	1 600 000
3	Accomodation	900 000
4	Rent of transport	850 000
5	Insurance	1 000 000
6	Daily allowance	550 000
Quantity of team members		16
Total costs		6 000 000

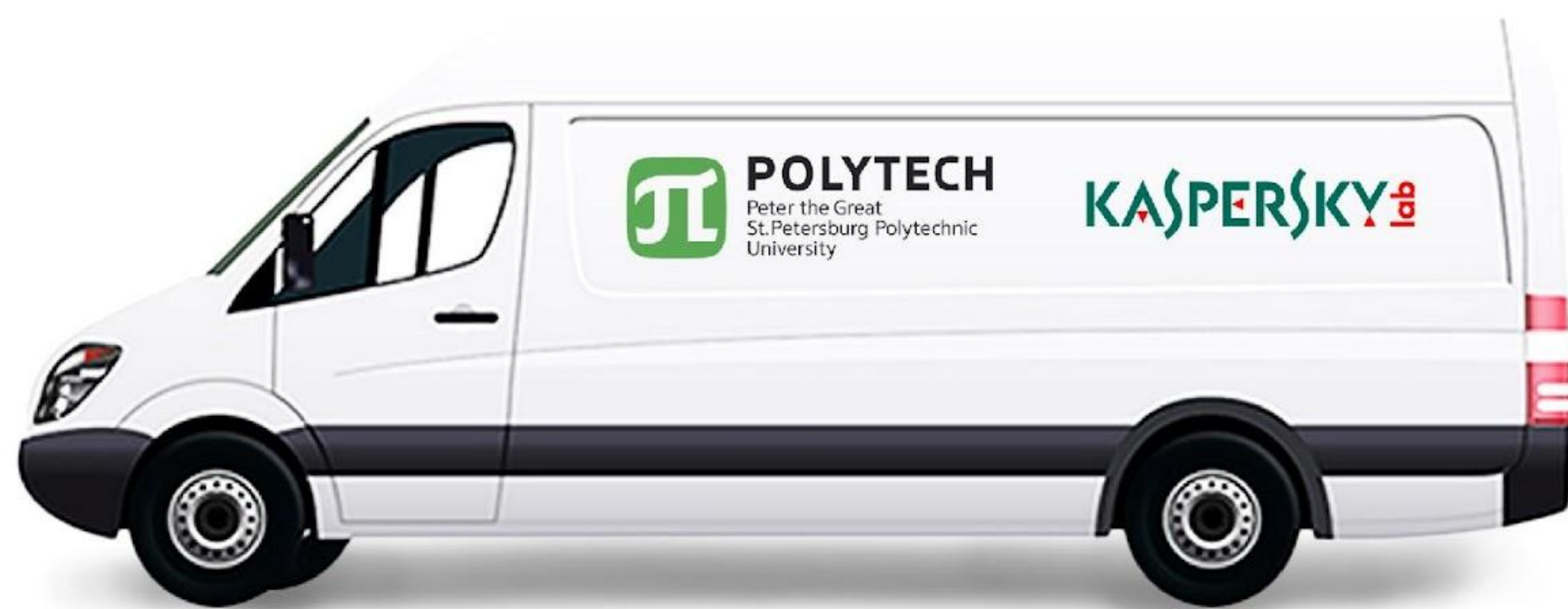
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FOR SPONSORS



**ADVERTISING
ON THE SOLAR CAR**

FOR SPONSORS



**ADVERTISING
ON THE TRAILER AND
ACCOMPANYING CAR
IN AMERICAN
CONTEST**

FOR SPONSORS



**ADVERTISING
ON THE TEAM UNIFORM**

FOR SPONSORS



**ADVERTISING
ON THE OFFICIAL PAGES
AND SOCIAL NETWORKS**



GREAT UNIVERSITY
GREAA GOALS
T





PROJECT LEAD

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