



Arrabona Racing Team

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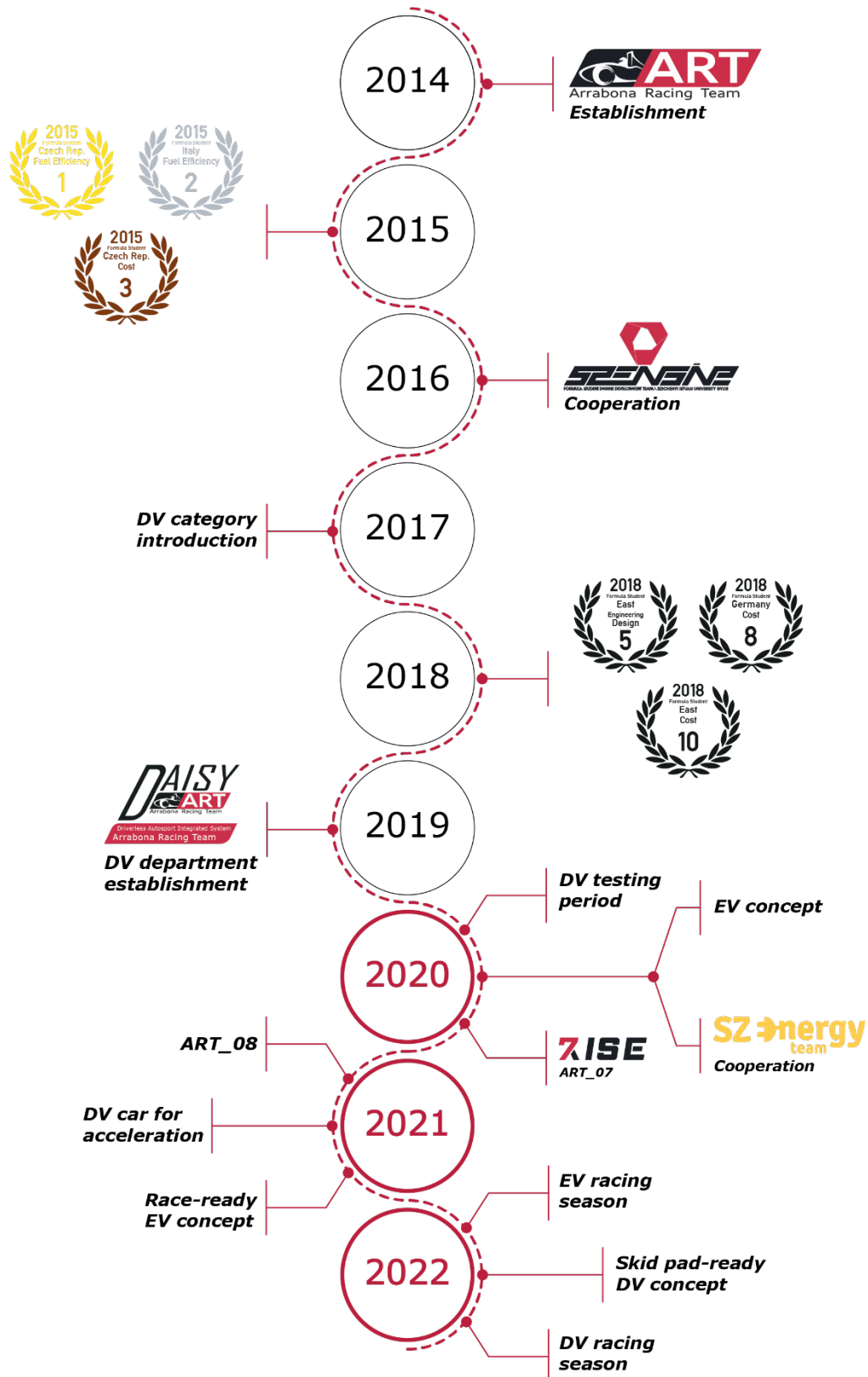


www.arrabonaracing.hu

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TIMELINE



- DV → Driverless Vehicle
- EV → Electric Vehicle

OUR TEAM

ARRABONA RACING TEAM

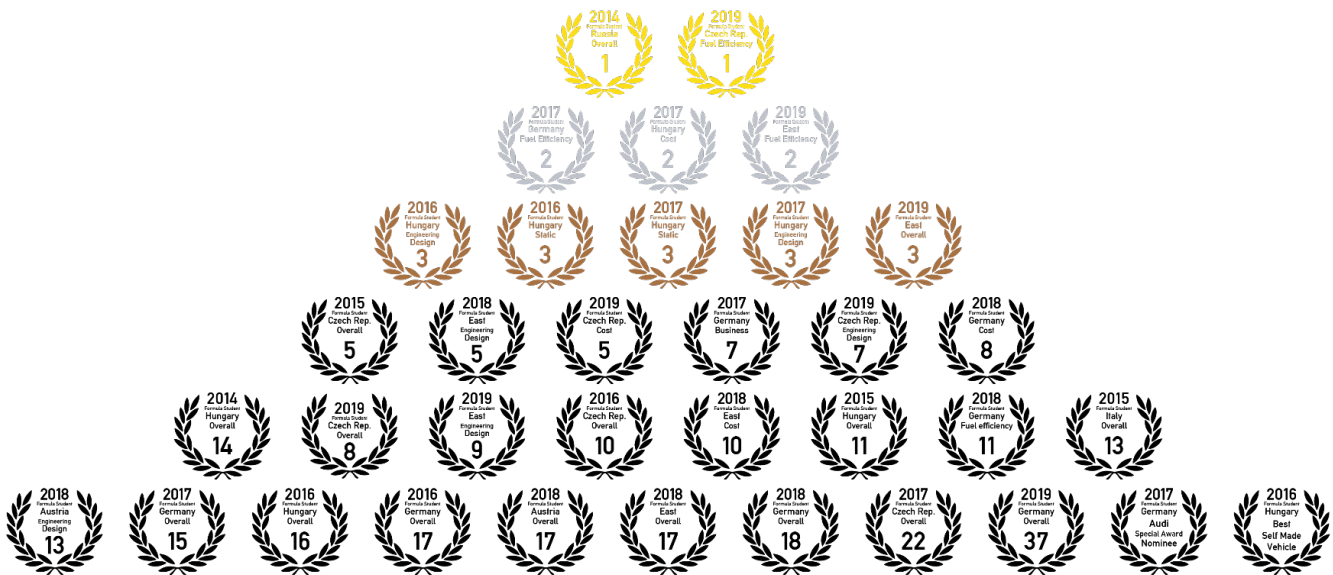
Our Team was established in 2014 at the Vehicle Development Center at the Széchenyi István University. The Arrabona Racing Team was founded by the reason we wanted to attend to the Formula Student competition series. Currently 67 students are working together to achieve the best results in our competitions, to expand our knowledge, to enhance the reputation of our university and also the supporters who are standing by the Team. Most of the team members are Vehicle Engineering students, but also Mechanical Engineering-, Electrical Engineering-, Economics and Management students are represented.



Formula Student is an engineering competition, where a racing car is designed by university students. Predefined technical and formal rules has to be followed, which is developed with innovative ideas.

In this project we have to present the results at the competitions in front of experts, who are already esteemed professionals in industry, motorsport and education. The key of success is not only to design the fastest racing car, but to combine good performance and deliberated construction.

OUR RESULTS, AIMS



MISSION

Our goal is to educate engineers who can make the future of transportation better and safer with their innovative ideas, by working in the automotive industry.

We sincerely believe that the world of Formula Student and Arrabona Racing Team is a great opportunity for young talents, who look for work in the automotive development sector, in composites or anything to do with the field of innovative design.

The students who are working in our team are gathering experience before getting their degrees. They learn how to work in a team for one common goal. They gain experience both in design and manufacturing. They can see the importance of the financial part of a project. They have the opportunity to work in an international environment and have the possibility to improve their English language skills.

INNOVATION

Our principle is to develop a cleanly designed race car, equipped with modern technologies, to be effective in the dynamic disciplines, meanwhile making sure that our decisions made during the design period can be backed up and justified on the static events.

OUR VISION

We can see our future success in changes by the construction. Our goal is to belong to the best 10% of the Formula Student World Ranking List among 700 members. Furthermore, these actions would help us to create a source of quality engineering workforce.

CHANGES IN CONSTRUCTION

According to the plans mentioned on the timeline, we want to manage the departments of our team well. There will be a higher level cooperation between the student organisations of Széchenyi István University in the 2020/21 season, as our team is planning significant innovations.

CV – COMBUSTION VEHICLE

For the next racing season, as usual, we would make a car with an internal combustion engine (CV - Combustion Vehicle) called ART_08.

MONOCOQUE

In our plans we would like to produce an alternative solution for the frame of the car. The ART_08's chassis would be a monocoque instead of a 25CrMo4 tube frame. The design of the carbon frame structure has already been prepared for the next season.

EV – ELECTRIC VEHICLE

In addition, our team is determined to start working on a novel design in the coming years. We set the goal to design and build a racing car with an electric drivetrain, we have already started the preparations for this EV construction in 2020. One of our plans is to start racing in 2022 with the new electric vehicle.

DV - DRIVERLESS

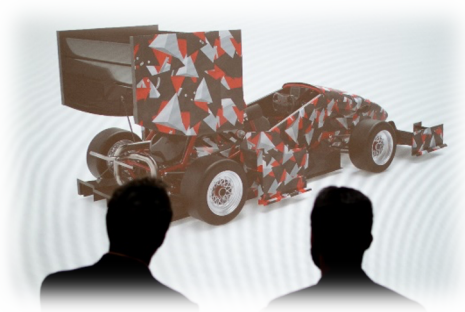
Further developments are in progress by the Driverless division of our team, founded in 2019, who make a self-driving vehicle. The programs written are already being tested this year, but this is a longer process that will continue in 2021. We would like to race in 2022 with the team's first self-driving race car.

SUPPORT


TRUST, LOYALTY

We are reaching out to you, because we think that your work is remarkable in the market sector you are representing.


We believe in building a great relationship with you, after which we can represent you in the world of Formula Student and we hope we can further grow your reputation



CONTACTS

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**WE BELIEVE THAT YOU CAN HELP US WITH YOUR SUPPORT
TO MAKE OUR TEAM, THE ARRABONA RACING TEAM, EVEN
MORE EFFECTIVE IN THE FUTURE!**