



# **DRIVE ENGINEERING PASSION**

## **MATADOR MOTORSPORTS SPONSORSHIP BROCHURE**

# **2023**



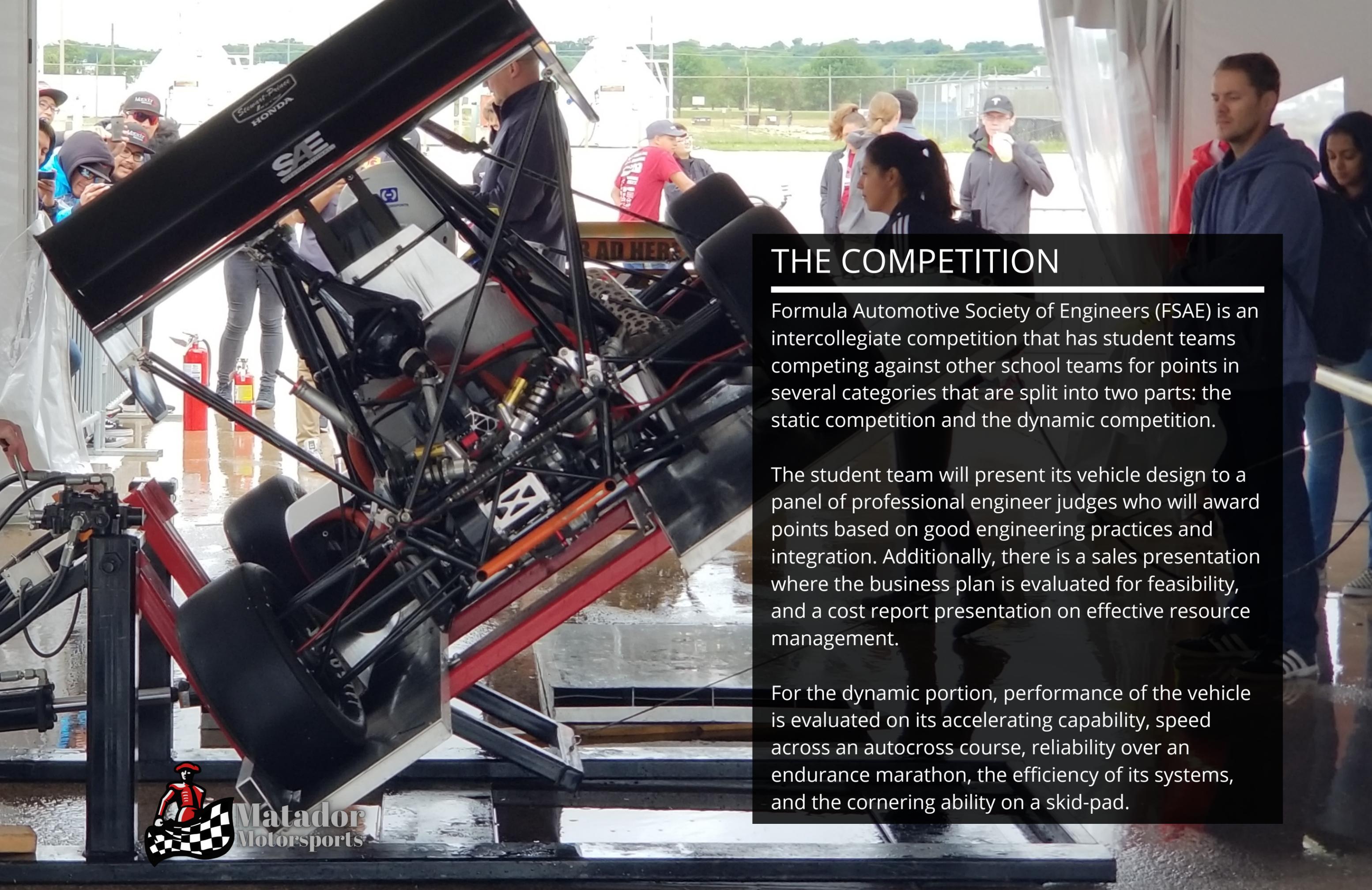


## GIVING STUDENTS TOOLS TO SUCCEED

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Through generous and continued support from industry professionals, students of Matador Motorsports gain tools and assets in order to develop, engineer and succeed.





## THE COMPETITION

Formula Automotive Society of Engineers (FSAE) is an intercollegiate competition that has student teams competing against other school teams for points in several categories that are split into two parts: the static competition and the dynamic competition.

The student team will present its vehicle design to a panel of professional engineer judges who will award points based on good engineering practices and integration. Additionally, there is a sales presentation where the business plan is evaluated for feasibility, and a cost report presentation on effective resource management.

For the dynamic portion, performance of the vehicle is evaluated on its accelerating capability, speed across an autocross course, reliability over an endurance marathon, the efficiency of its systems, and the cornering ability on a skid-pad.



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## NOT JUST ORDINARY STUDENTS

The FSAE program at California State University of Northridge (CSUN) is an ongoing senior design program running for over 30 years. FSAE is one of the most grueling engineering programs the school has to offer and thoroughly runs its student members through a gauntlet of engineering challenges.

The first vehicles coming out of the program were simple rolling chassis with an engine and 4 wheels turning, and evolved over the years to incorporate intricate drivetrain designs and a complete aerodynamics package.

Membership in such a prestigious senior design program requires the most driven and dedicated individuals that have an attention to detail, focus on performance gains and strive for nothing short of perfection.



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# ENGINEERING OUR OUTCOMES

FSAE requires us to brainstorm our ideas and bring them to life. We come up with original designs and we manufacture our own parts. We also conduct testing and tuning in which we apply our theoretical knowledge on the car in a practical setting. None of this is possible without access to the tools and software that sponsorships help us acquire.



# VALUABLE HANDS-ON PRACTICAL EXPERIENCE

The time we spend with the tools and software gives us invaluable experience that is practical and industry applicable. Using the same tools and software that industry professionals use allows us to acquire experience that is equivalent to what is expected of us in the professional world.

Using the same tools as what is being used in the professional world allows us to compete at the best of our abilities with zero compromise.



## OUR GOAL AND OUR FOCUS

Throughout the history of CSUN FSAE, our school has consistently produced one of the lightest cars amongst all the competitors. With such a light car, we are able to maximize our power to weight ratio and more efficiently and effectively run our cars.

However, with a new age comes a new direction for the program of the school. This year we are planning to run one of the most powerful engines our school has ever put into a FSAE vehicle. With this new setup we strive to score more points than ever before and place higher than ever before. The highest the school has ever placed was 5th overall. For our year we are striving to step on the very top step of the podium.



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# OUR COMMUNITIES PAST, PRESENT AND FUTURE

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Sponsorships enable us to keep engaging our local communities and inspire the next generation of engineers. Many of our alumni and present members were first inspired to pursue engineering and join FSAE through such community outreach events.

From the prestigious events like the LA Auto Show to local programs like afterschool showcases, we strive to exhibit what engineering is all about. With these opportunities we can also talk about our sponsors who help make these moments happen.



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California State University Northridge



PIERSON  
WORKHOLDING  
HPD

3M

Yassin &  
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# OUR SPONSORS

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