



## History

HHE Systems is a division of Hunter Horse Enterprises Inc (founded in 2004). To continue the legacy of V-Notch Services, an LLC that was founded in 1990. Originally specializing in motorsports oriented technical services, specifically targeted to instrumentation, data acquisition, controls, and design of engine dyno test cells and systems, as well as pioneering on-vehicle sensors and data collection systems at a time before off the shelf systems were commercially available.

From 1990 – 1993, over 90 engine dynos in all forms of motorsport and OEM applications were installed or upgraded.



Worked with multiple top level NASCAR and Indy Car teams, as well as major aftermarket suppliers and OEM vehicle manufacturers in the automotive sector and motorcycle sectors as well.



Proven track record of completing projects on tight timelines and helping teams reach victory lane.

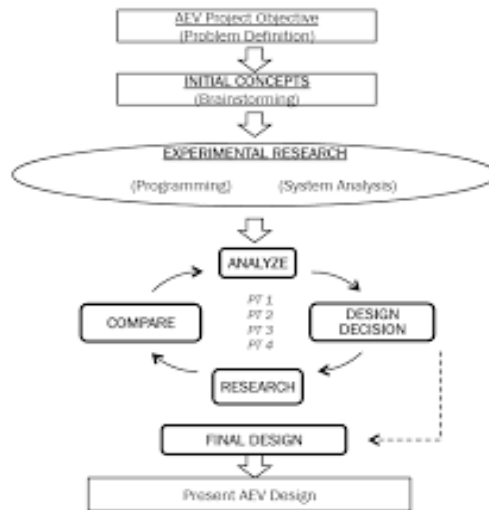


## **Mission**

HHE Systems was formed to provide these engineering and technical services to industries outside of motorsports who need the same level of urgency and solution driven approach that is fundamental to successful motorsports organizations.

For many projects, we can provide a complete solution for the customer without having to work with multiple vendors or service providers.

We can take your project from Conceptual Design, through Final Design, Prototyping, Testing, and release for Manufacturing.



## Services

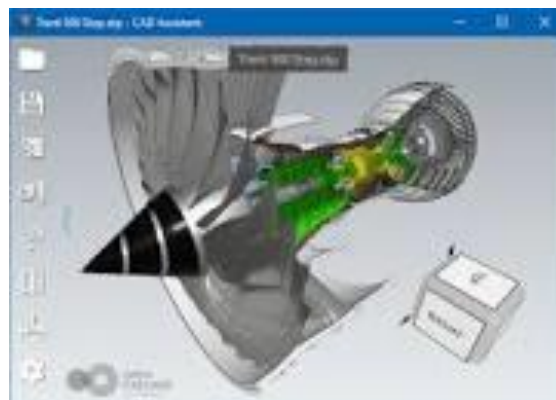
Current inventory of services available in house from HHE Systems or through affiliated partners.

Experts with Graduate Level credentials in:

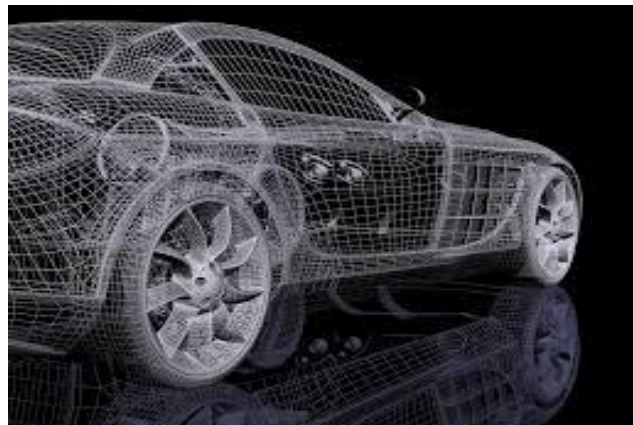
Electrical Engineering and Design



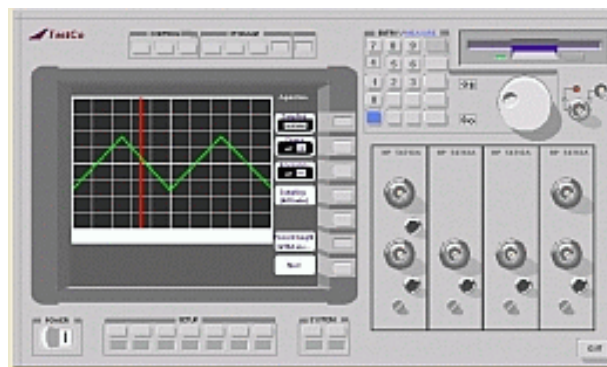
Mechanical Engineering and Design



Automotive Engineering and Controls with backgrounds in vehicle design, simulation and testing, gearbox development and testing.



Instrumentation – Sensor development and application, data collection and analysis. Vehicle testing, electro-hydraulic systems, military weapon systems, aerospace applications.





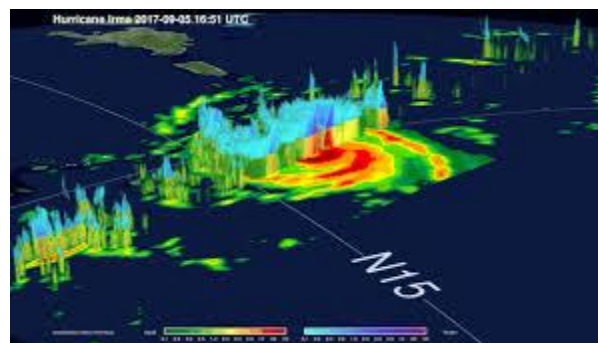
Machine Learning – data mining for design optimization and decision making.

Software development – Develop custom software applications to address the customers' specific requirements.

Python, Java, Matlab, Labview, Javascript, VB



PhD Level Meteorologist, Atmospheric Scientist – Advanced research in climate modeling. Experience integrating long range forecasting into business models and plans.



Fabrication – AWS and ASME certified welders with aerospace experience welding structural aluminum alloys, and stainless steel, to AS9100 standards.



ASTM level NDT inspection – Dye Penetrant, Magnetic Particle Inspection

Rapid Prototyping and Manufacturing – ISO Certified multi axis CNC milling and turning.



Additive Metal Manufacturing (3D printing) in a variety of aluminum and stainless steel alloys, as well as titanium.

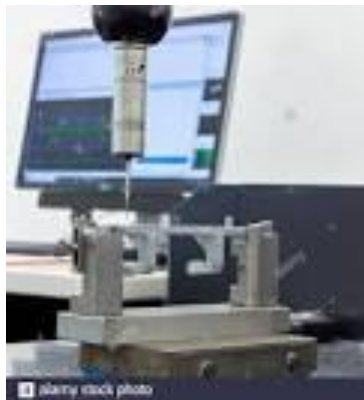




SLA / SLS rapid prototyping capability



Metrology / Quality Control – Metallurgical analysis, X-Ray, CMM, Photogrammetry.



Contact Dave Charpentier

HHE Systems

[dcharpentier@hhesystems.com](mailto:dcharpentier@hhesystems.com)

704-607-9420