

1337

2494kg

**Gs**

**Greenspeed**

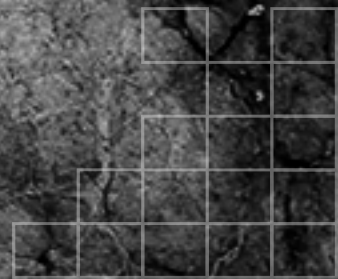
1873

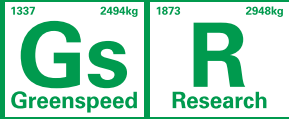
2948kg

**R**

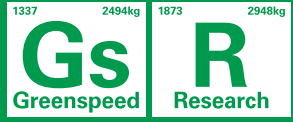
**Research**

**An Introduction  
& Overview 2015**

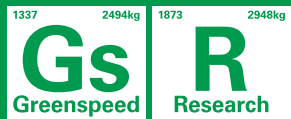




**We create learning opportunities for the STEM disciplines and renewable energy sources**



**Greenspeed Research was born from a collegiate club composed of like-minded Boise State University students and has since grown into a passionate, mission driven non-profit organization.**



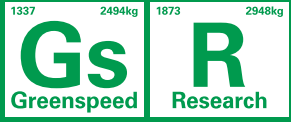
## Why we do what we do.



**Tomorrow's innovations are in the hands of today's STEM students. These students are going to be harnessing the power of renewable energy for positive global impact.**

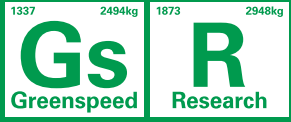
We choose to focus our efforts on pushing the limits of renewable fuels in the motorsports arena to break down myths about renewable fuel capabilities, and to be at the forefront of positive impact these fuels will ultimately have.

Motorsports is an exciting venue loved by millions. What better way to bust myths and misinformation about renewable energy technologies than by demonstrating them in high performance motorsports? Aside from that, we do what we do because we love it.



If you believe in renewable energy and want to be on the leading edge with us, get involved and become a sponsor, partner or volunteer with Greenspeed Research.

Get in touch. Page 24

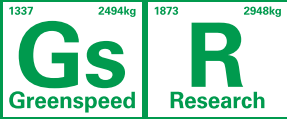


# A B C

**Learning opportunities  
for STEM disciplines**

**Demonstrate  
renewables in  
motorsports**

**Innovative R&D  
with our partners**



**Records are made to be broken...by us.**

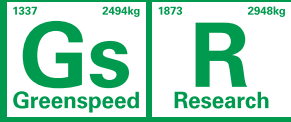
### **We plan to win races of all kinds**

Endurance, Desert, Kart, WRC, Drift, etc. With your help, we can break into these areas of motorsports with a new fuel. This will disrupt existing technology, forcing new products to market.

### **On the roster**

- 1.** Land Speed Record
- 2.** BAJA 1000-TT

# Greenspeed Shatters Veggie Oil Speed Record 2013



**Our doors are open. Literally.**

**GsR is committed to educating the community about renewable energy through several different outreach programs.**

## **STEM**

*(Science, Technology, Engineering & Mathematics)*  
Education opportunities to prepare the next generation of motorsports enthusiast and engineers.

## **Open Shop Door Policy**

A community education center where people of all ages can get up close to the exciting technologies GsR interacts with on a daily basis.





## Pervasive lack of awareness of biofuels' capabilities & opportunities

### Problem

Currently, there are a lot of misconceptions about the performance and power capabilities of biofuels and other renewables.

### Solution

Address lack of awareness by positioning sponsor companies as committed players in advanced vehicle technology and as leaders in advancing the cause of biofuels and other renewables.

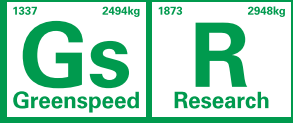


## Research for a greener world.

**We have developed critical components that simultaneously improve efficiency & performance.**

Data gathered from our racing platforms can be directly redistributed to our partners and the companies involved with our programs to help optimize their products. During GsR's first few prototype runs, we finalized the design for a patent pending compound turbo controller. Every day, we continue to drive this kind of value on the race track and for our partners.

Using CAD, FEA and other engineering software, we design, advance and optimize race vehicles, components and products to improve performance on the track. These improvements are sure to have application for production vehicles. Our inhouse design, CNC machinery, and prototyping services are also available for product development allowing us to offer full control over the iterative prototyping process.



## Innovation fueled by Greenspeed Research.

We are opening up a new market for our current sponsors and partners. Motorsports-generated insights can create new pathways for growth in the untapped next-generation-diesel aftermarket.

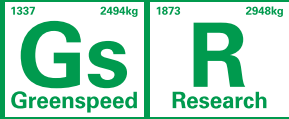
The first team across the finish line is by default, the most efficient. To be the most efficient, one of two things needs to happen:

**A.** You sweep aside current tech and replace with something completely new

**OR**

**B.** You take what is already on the market and improve it

Working with biofuels in motorsports provides immediate, relevant feedback to engineering-driven companies.



# A B C

**Fuel Economy**

**Peak Efficiency**

**Reliability &  
Endurance**

## Don't take our word for it.

**Most people don't know the benefits and potential of clean diesel technology. We have the capability and experience to show off and illuminate the possibilities of biodiesel powered vehicles. Here's what others have to say:**

"Greenspeed Research has provided us with data and feedback that has helped improve our turbocharger products and we look forward to supporting them for many seasons to come."

**-Yukio Taira, Turbo By Garrett**

"We believe investing in the future of automotive engineers, utilizing real-world projects, pays dividends for our industry long after the completion of the projects."

**-Bill McKnight, MAHLE Industries**

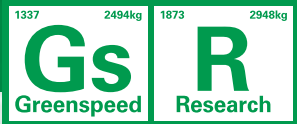
"Greenspeed consists of a group of talented individuals who are not afraid to innovate and think outside the box. Their work in the alternative fuel niche market will no doubt have a monumental impact within our industry and hopefully in our society at large."

**-Cindy Verkooij, CP-Carrillo**

"Automation Direct has been pleased to sponsor Greenspeed for several years now in their quest to push the speed envelope using alternative fuels. Dave and his team are easy to work with, they understand the marketing potential of their efforts, and they do a great job of promoting their sponsors. From logo placement on the vehicles, to assisting in the writing of magazine articles, and news briefs for our wider audience - the Greenspeed team has always been a pleasure to work with. Go Greenspeed!"

**-Chip McDaniel, Automation Direct**

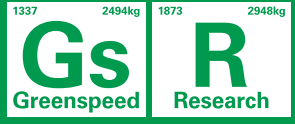




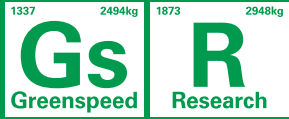
**Support our mission by partnering  
with Greenspeed Research!**

**Get in touch. Page 24**

# Current Partnerships



Join the ranks of innovation.



**Show me,  
don't tell me.**

## Product Demonstration

1. Show off your product on trend-setting vehicles
2. "Un-boxing to racetrack" documentation process
3. Our blog GsRFAB.com provides an archive of projects and product demonstrations
4. Visual documentation processes will show off how we integrate your product into our race vehicles.

## Return on Investment

1. Increased awareness by standing out from the crowd. By being associated with biofuels today, you will be a leader tomorrow. We can build the best bio-fueled rigs out there, we need your help to show them off.





## You can get involved with one of these projects

# 1

Get involved  
with this project!  
See page 24

## LSR

Land Speed Record  
September, 2015

# 2

Get involved  
with this project!  
See page 24

## Baja 1000-TT

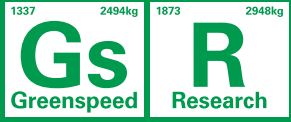
1000 mile desert race  
November, 2015

# 3

Get involved  
with this project!  
See page 24

## Fuel/Engine Dev:

Ongoing testing for  
LSR & BAJA vehicles



Get involved  
with this project!  
See page 24

## Home away from home.

Greenspeed was introduced to professional racing at the Utah salt flats. Those involved with Greenspeed have learned how to single-mindedly attack a goal with the force necessary to accomplish the unthinkable. As students, the team transformed a normal, street-legal pickup, and in less than six months turned it into a world record setting land speed vehicle. They successfully built the world's fastest vegetable oil powered vehicle.

We plan to set two more world records with this truck in 2015.





# Future Works-Convergence™ Trophy Truck



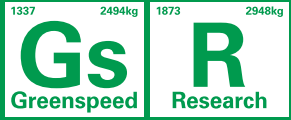
Get involved  
with this project!  
See page 24

## Moving up down South.

Greenspeed Research is designing and building a bio-diesel powered Trick/Trophy Truck class vehicle to compete in SCORE-International and Best In The Dessert sanctioned events.



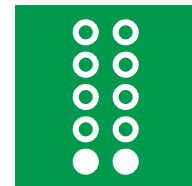
# Future Works-Clean Diesel Drag Truck



Get involved  
with this project!  
See page 24

**So fresh &  
so clean.**

Greenspeed Research would like to bridge the gap between diesel and alcohol drag racing.





# Future Works-Rallycross

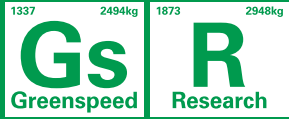


Get involved  
with this project!  
See page 24

## Clean energy on dirty roads.

Rallycross is a rapidly growing sport with a large, young fan base. With many new diesel passenger vehicles coming to the market over the next five years, they will need representation with the next generation of car owners.





**Help us educate the masses about renewable energy and STEM education through their use in high performance motorsports.**

## Become a

### Sponsor

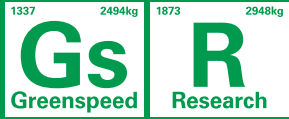
Sponsorships make our wheels turn 'round! Contact us (Page 24). Let us shed some lime light on you!

### Partner

Two brains are always better than one! Contact us (Page 24). Let's make a difference together.

### Volunteer

Want to get your hands dirty? Contact us (Page 24). We'll prep the grime.



Get in touch.  
Get involved.

 [facebook.com/greenspeedresearch](https://facebook.com/greenspeedresearch)

 [@gsrfab](https://twitter.com/gsrfab)

 [@gsrfab](https://www.instagram.com/gsrfab) | [@greenspeedresearch](https://www.instagram.com/greenspeedresearch)

[greenspeedresearch.org](https://greenspeedresearch.org)

**Patrick Johnston**  
Co-Founder

For more information please  
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**Dave Schenker**  
Co-Founder

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