

# MEETING AGENDA

## Topic: Second Meeting with Nova Kinetics

Wednesday, 14, 2018

Meeting called by: Team

Attendees: Michael Broyles, Ethan Smith, Brandon Beaudoin, Jonathan Hernandez, Nathan Zufelt  
Jim Corning

Please bring: Laptop, Notebook, Relevant research

Location: Nova Kinetics On HWY89

Objective: Establish how our team and their company can work together.

### Notes:

<b>5:30</b>	All meet at Nova kinetics and walk through the facility to get an idea of their capabilities.	Nova Kinetics
<b>6:00</b>	Questions for Jim about our project	Nova Kinetics
<b>Remaining minutes</b>	<b>Plan for next meeting</b> <ul style="list-style-type: none"><li>• (Ethan) When construction begins, we will contact Jim Via email to set up time to work in his shop.</li><li>• (Brandon, Mike, Jonathan) Get all materials selected and ordered end of semester is here.</li><li>• (Ethan, Nathan) Meet with Bob from Flyers to get testing materials.</li></ul>	Nova Kinetics

### Minutes -60

For Nova kinetics

### Possible Resources

Jim had a large room dedicated to the layup and wet working of epoxy resin and fiberglass. If we were to need any assistance or expertise in this aspect of our project they can help. Their facility is also equipped with ovens made to cure the epoxy in the proper temperatures and temperatures we will also have access to this as well. Previously we talked about tapering our lateral spars by reinforcing the portion closest to the fuselage with fiberglass these areas of the shop will be helpful for this.

There was a good-sized fabrication shop that was used for making seat frames for crop duster aircraft. If we need to do any metal or even wood work, we could connect with his guy who works in the shop and we would be able to use their equipment. We may need to shape airfoils and to get our wing connectors fabricated.

**Any recommendations for wood carbon glues for our spars to airfoil cross section**

Jim recommended West Systems epoxy kits these were developed more for boat building and will do a good job of saturation the wood.

Side note: Jim mentioned that we can use fiberglass particles to add to the epoxy to turn in more into a workable putty for making fillets or chamfers.

**Where do you source your materials such as carbon fiber and fiber glass sheets?**

Carbon sources: Fiber Glaste, Wix Ravexcort, Aircraft Spruce and Specialty. These were the recommendations off the top of Jims head.

**Lazer Cutting**

Die Cut Technologies, was a company that has been used by Jim in the past this was not the end he said to look around and keep options open.

**Wrap Up**

When we begin construction we will get back in contact email is still a good method of communication and we know now what we can do in his shop.