



Solar Car

Amazing Journeys



Ben Schnur

Oregon
Mechanical
Captain






Overview

- My experience learning CAD from the ground up:
 - Youtube
 - Ask around
- Communication with professionals and engineers:
 - Examples(Composite approach, COCC, Stanford)
- Mystery
 - It's a surprise :)
- My experience with carbon fiber - Is it worth it?
 - Use release
 - Time and dedication of this process
- Mistakes make great learning opportunities.

Learning CAD (Solidworks)



vertanux1
@vertanux1 · 73.1K subscribers ·
Non-professional, rough, unedited,
vertanux1.com and 1 more link
Subscribe



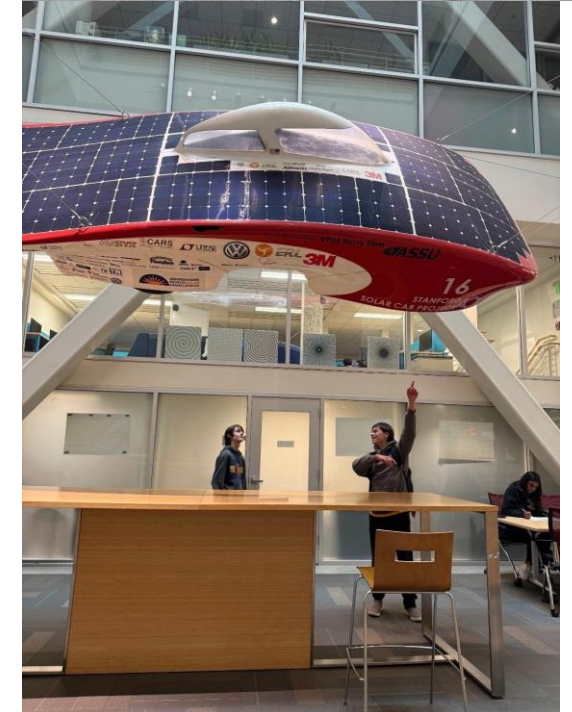
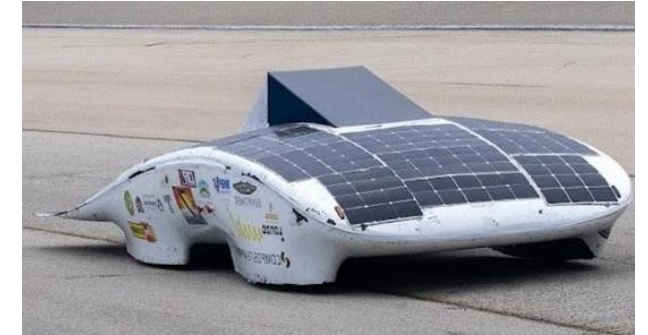
SolidWorks Complete College Course for Beginners ⋮
w/Training Guide

318K views · 3 years ago

Communication with professionals and engineers



CENTRAL OREGON
community college



Cute cat break surprise





Carbon Fiber - Use release

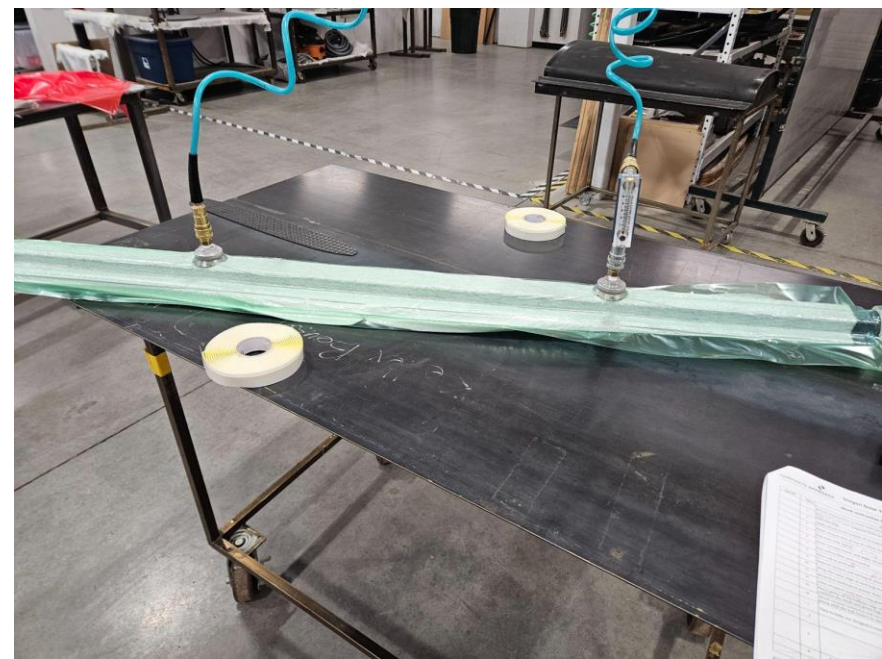


What do you need for PRE-PREG carbon parts?



COMPOSITE APPROACH

 **DH SUTHERLAND**





SPENCER ANDEREGG

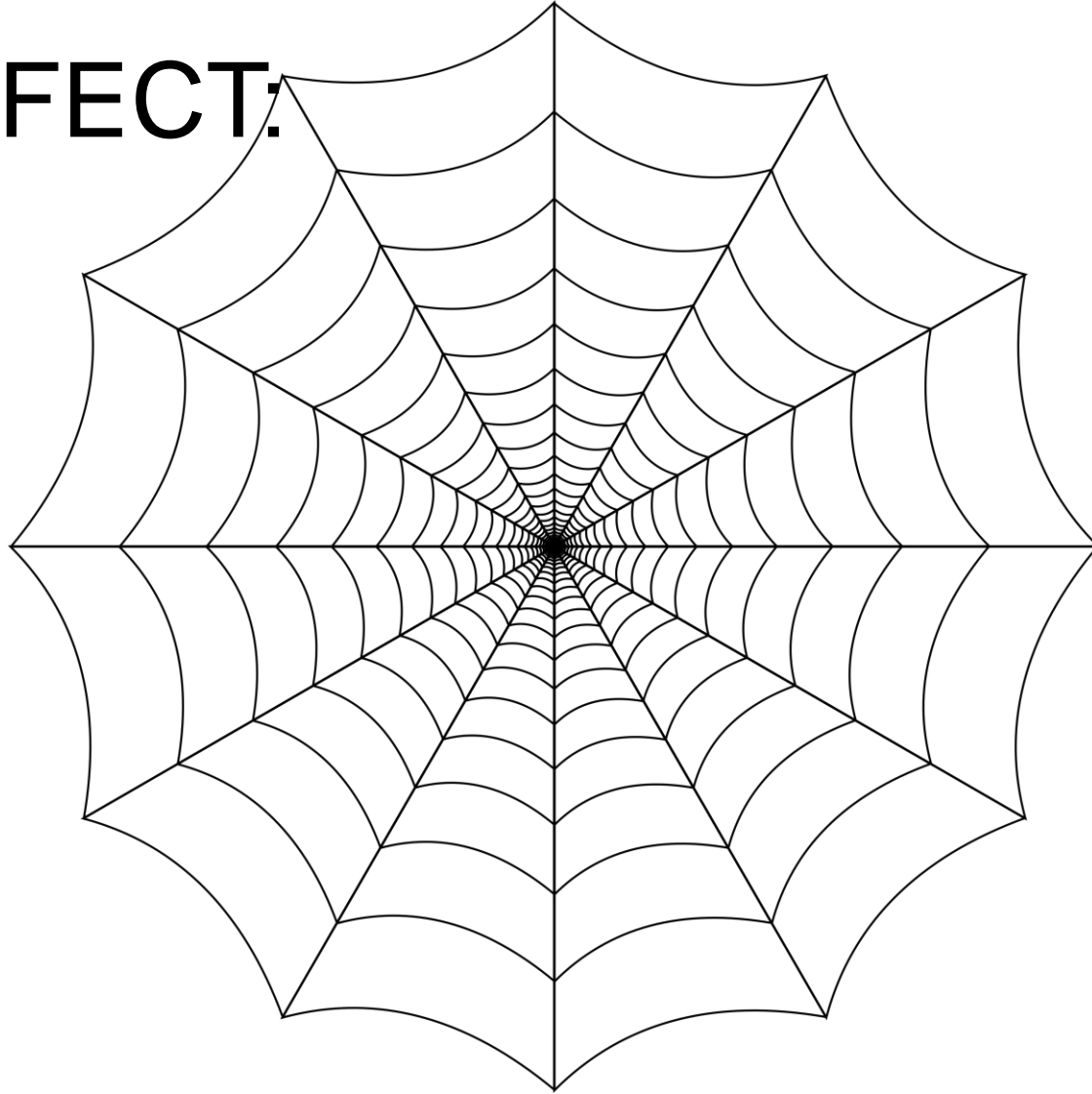
Financial Tips &
Tricks

NETWORKING

101:

THE WEB EFFECT:

- Opens access to more opportunities.
- Allows for increased growth.
- Long term impact and sustainability.
- Increased visibility and recognition.



SPONSORSHIP PITCHING:

SPONSORSHIP PITCHING: WHAT TO KNOW BEFORE YOU GO.

- Understand the basic functions of your car.
- Know what you are going in for(materials, donations, real estate, mentors, etc.).
- Know your mission inside and out.
- Understand your goals and motivations.
- Always have a budget and financial timeline present.
- Explain where you need aid.



COMMUNITY ENGAGEMENT:

COMMUNITY ENGAGEMENT: WHY IS IT SO IMPORTANT?

- Builds Support and Visibility.
- Strengthens Partnership.
- Increases motivation and retention within your team.





helio-centric
SOLAR CAR TEAM

Bend Research Inc.



PRESTIGE
HARDWOOD FLOORING, INC.

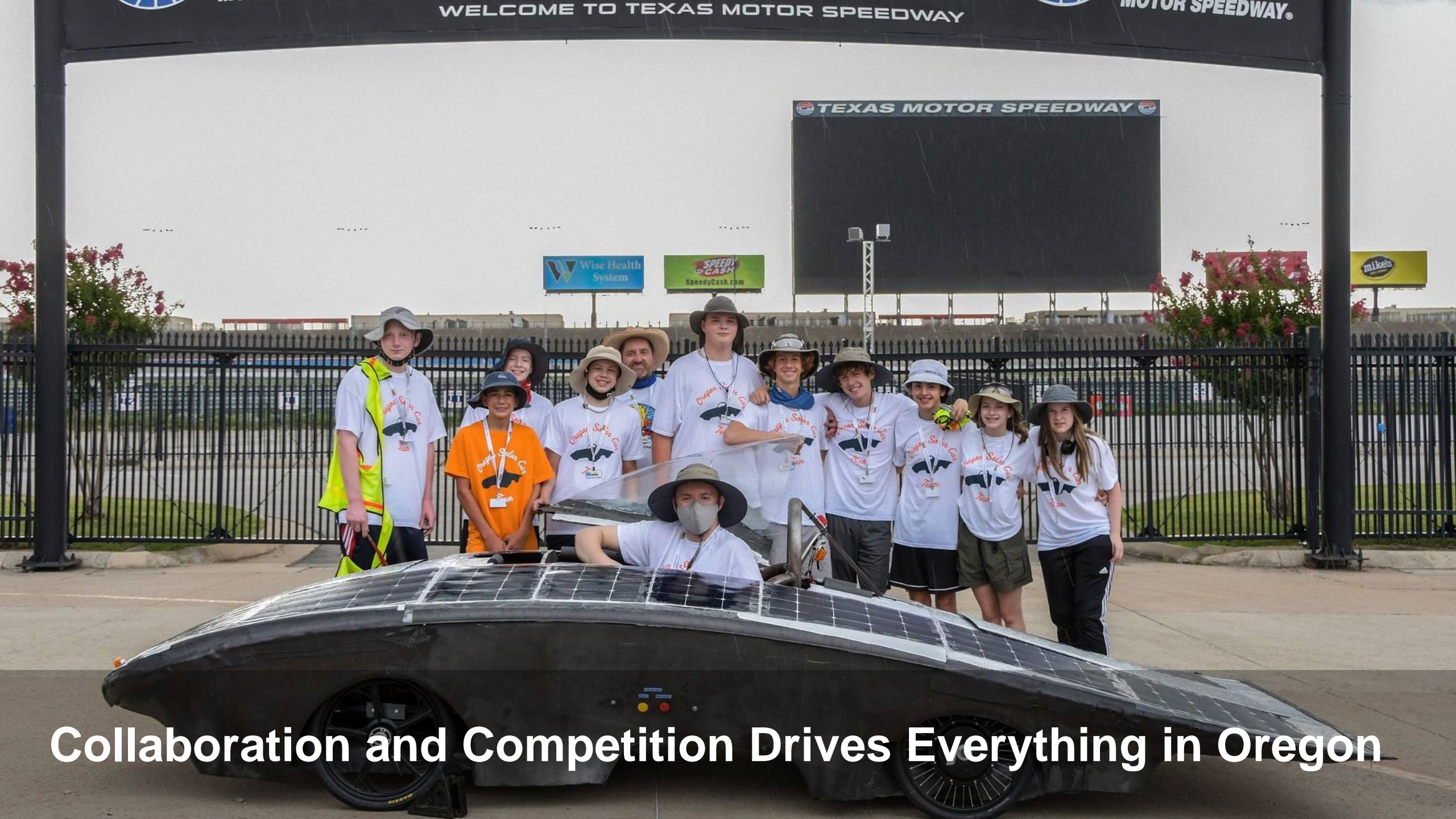
CUEnet

YAMAHA





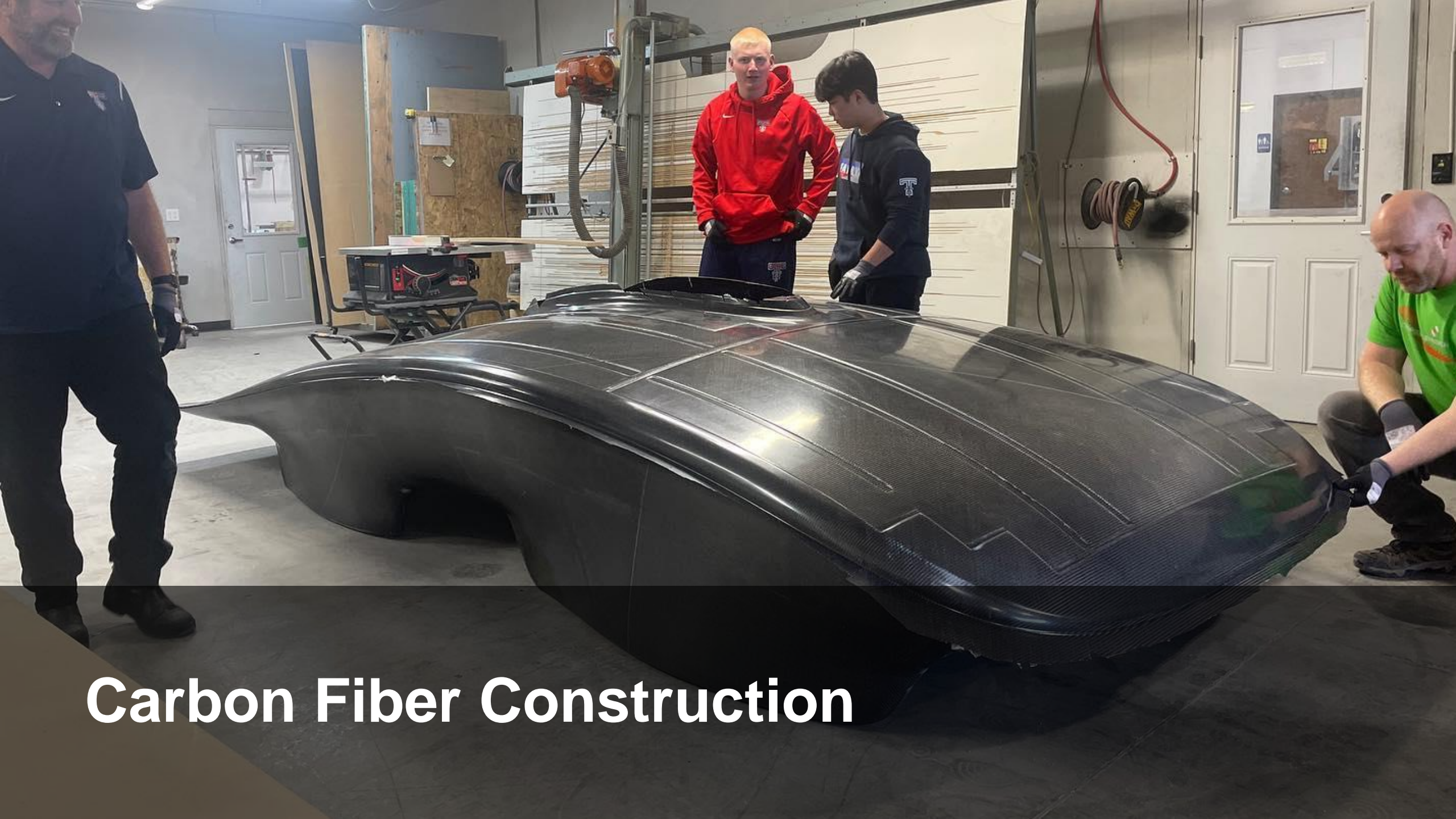
Competition Drives Everything for Motivation



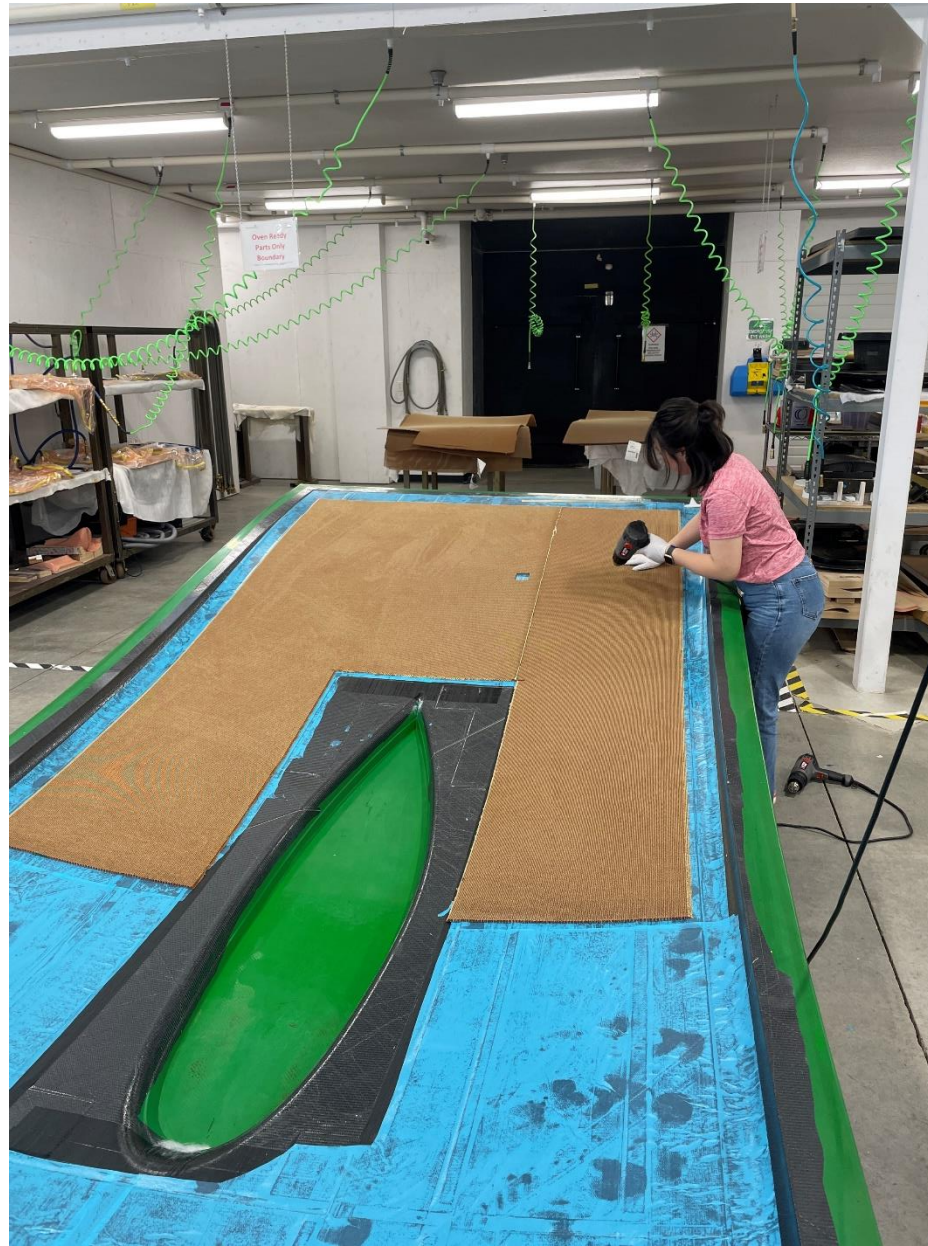
Collaboration and Competition Drives Everything in Oregon



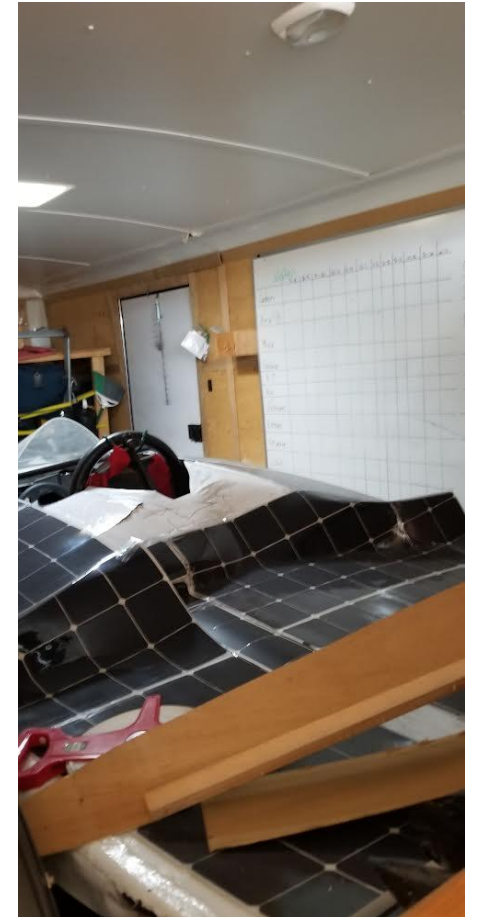
Setbacks and Failures



Carbon Fiber Construction

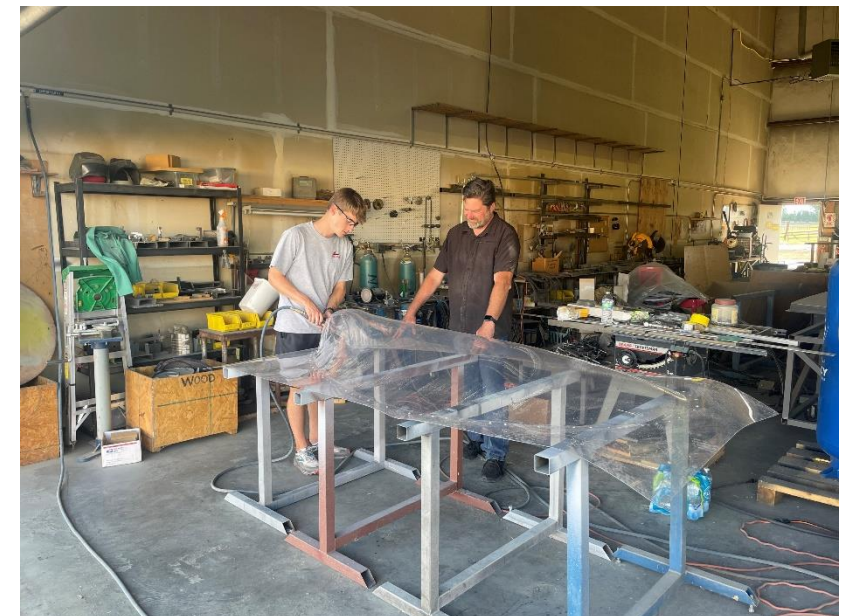


Many steps in the process and all are very expensive unless they are free.

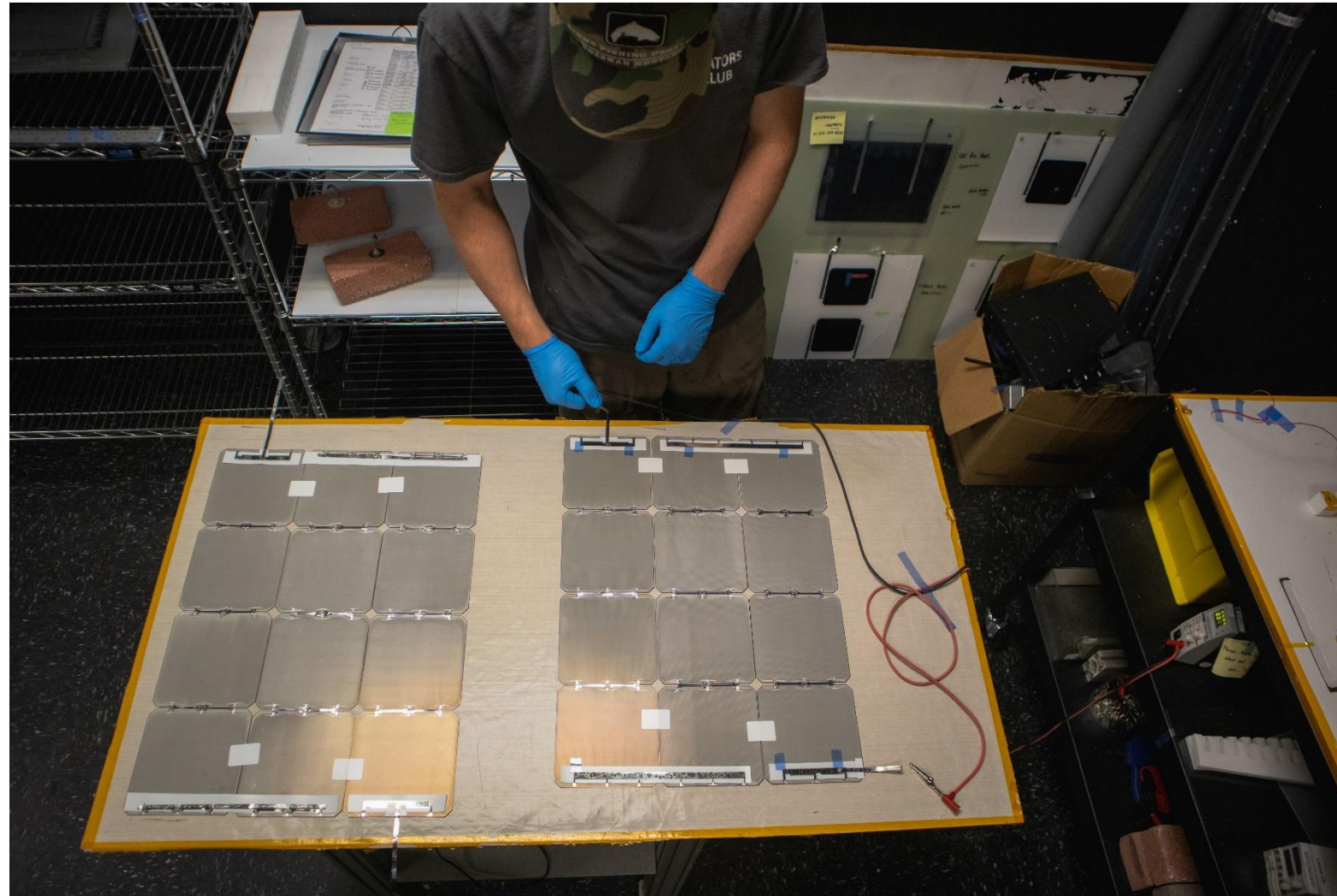




- We learn from those who figure out cost effective ways of manufacturing parts.
- Sometimes from failures



Patience and Endurance, Quality and Understanding



It is amazing what you can do
with enough friends





Collaborate with Other Teams



See you at the race!