What is MakerPlane?
Problem

• 62% of homebuilt aircraft kits and plans are abandoned before finishing
Solution

- Create plans, methodologies to build using personal home-based digital manufacturing equipment.
- A collaborative online environment

Traditional Way: 3 hours per rib

CNC: 3 minutes per rib
Team
Progress and Milestones

- Now: Avionics available
- Oct 12: Kickstarter Campaign
- 2013: MP v1.0 Prototype
- 2014: MP v1.0 Flying
Issues

- Perception and education
- Safety
- Liability
- Certification Standards
- Licensing
Perception & Education

- Experimental aircraft past-time
- 3D printing
- Makerspaces and capabilities
Safety

- FAA Rules
- Licensing and Training
- Built-in systems
Liability

- Waivers
- Supply kits only
- Builder is manufacturer
Certification Standards

- Design and build to recognized standards
  - FAA
  - ASTM
Licensing

- Four OSH licenses listed on our website
- TAPR NCL is our current option