



# Alpha Outdoors - Fly Micro

**Microlight aircraft — Build, Restore, Upgrade + Repair**



- Value for money
- Trustworthy
- Well-organised
- Attention to detail
- Problem-solving
- Efficient

**Bruce Conway** is available to build, restore, repair, upgrade or modify your microlight aircraft.

He loves to make things that work well. Bruce's many years of experience with lightweight construction means that he is happy using traditional or hi-tech materials.\* He has a sound understanding of design principles and engineering processes, as well as being a pilot and aircraft builder. His local and overseas networks bring access to expert technical advice.

If you value craftsmanship, good communication, efficient project management and fair pricing, then get Bruce onto the job.



## Services available

### RESTORE + BUILD

- Bring 'classic' microlights back to life
- Complete unfinished homebuilt aircraft projects
- Assemble new microlight kitsets

### REPAIR + MAINTAIN

- Repair damaged airframe, undercarriage, struts & windows
- Carry out CAA + factory Service Bulletins
- Remedy faults found by the inspector or pilot

### MODIFY + UPGRADE

- Do recommended factory upgrades
- Design, test + build modifications to improve safety, user-friendliness, economy or weight
- Fit portable avionics, instruments + lights
- Obtain RAANZ or SAC approval for modifications

Alpha Outdoors  
- Fly Micro

[www.flymicro.co.nz](http://www.flymicro.co.nz)

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\* Specialising in airframe, undercarriage, controls, instruments + electrics

Glue, laminate (vacuum-bag + infuse), rivet, bolt, machine, weld, corrosion-proof

Carbon, GRP + Kevlar composites (incl. foam/honeycomb core);  
aircraft ply + lightweight timber; aluminium extrusion/sheet; steel/cromoly tube;  
polycarbonate, UHMWPE, nylon + flexi-PU plastic; rigid XPS + PU foam;  
spectra, SS + Teleflex cable; sailcloth + polyester covering; AN + MS hardware

I have access to hi-tech materials + aircraft parts from NZ and overseas,  
qualified engineers/welders and expert technical advice

**"invest in quality - you'll never regret it"**

# Is this your plane?

- a classic “rag + tube” microlight sitting neglected in your shed?
- a homebuilt aircraft project that’s taking far too long?
- a new microlight kitset to be assembled?



- crash damaged?
- grounded by the inspector?
- Airworthiness Directives to be complied with?



- windscreen needs replacing?
- damaged cowling, wheel pants or fairings?
- wings re-covered or paintwork seen to?



- portable GPS or VHF radio to fit?
- instruments or lights to install?



- factory upgrades to do?
- annoying bits need modified?

Bruce’s personal project is re-building + modifying a 1989 **Shadow B-D**.

His first Fly Micro task was to repair + upgrade an older **Shadow**, followed by major repairs + upgrades to a crashed **Parsons** tandem gyrocopter.

Smaller jobs have included repairing a cracked fibreglass **Bantam** nosepod, re-pitching the prop on a **Rans S-6**, repairing cracked spruce stringers inside the **Williams Mk 4** fuselage, etc.

Over the past two years, he has worked with Czech Republic design engineers to refine control + ancillary systems on his 2013 **Skyleader GP One** light sport aircraft and used his carbon-fibre skills to fit factory upgrades + increase its storage space .

## Comments:

*“I just rang to say how much I appreciate the wonderful job that you did on my gyrocopter. . . . . It was a complicated job, but you have done it very well.” – Colin Wood, Cromwell (on rotor + frame repairs to his crashed Parsons tandem gyrocopter, Oct 2013)*

*“Bruce, no need to discuss your time taken, I know you have done the best possible. . . . Thanks for all you have done.” Jeff Bannister, Rangiora (on urgent airframe repairs + upgrades to his grounded Shadow, Feb 2012)*

*“I wouldn’t have sold my damaged Shadow to just anyone. Bruce has the skills to fix it properly.” Murray Hagen, Manapouri (on selling his Shadow re-build project to Bruce, Jan 2010)*

If you are keen to get quality work done on your microlight,  
then contact **Bruce Conway** at **FLY Micro** [www.flymicro.co.nz](http://www.flymicro.co.nz)

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