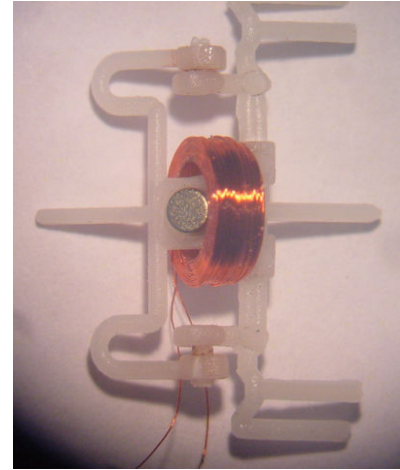


## PolyBIRD

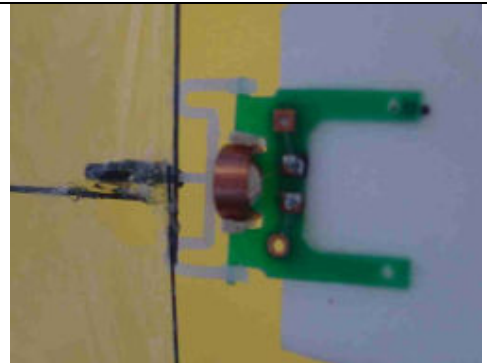
The **PolyBird** is a magnetic actuator specifically designed to be « **built-in rudder device** » (the generic name BIRD was coined by John Worth in 1996).

It is easy to integrate into ultralight planes of less than 10 grams. It can accept different coils and magnets and have a weight between 0.2 and 0.5 grams for a torque between 0.15 gcm and 0.6 gcm.



New - June 2009

PCB to make the wire soldering easy



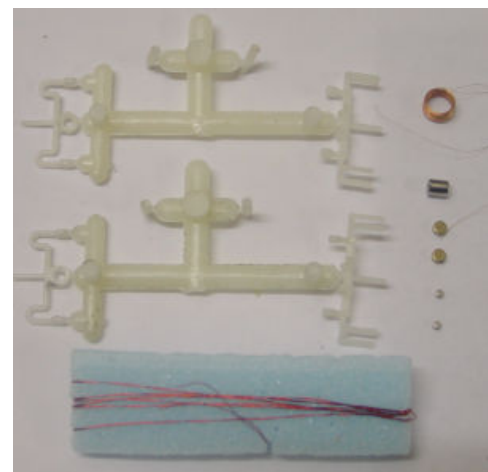
The **PolyBIRD** has several advantages over competitors

- ultralight construction (0.067g of plastic)
- different weights and power by selecting the coils and magnets
- easy to adapt to different construction methods
- easy to remove the control surface . It can be changed at the field to find the best manoeuvrability.

The **PolyBIRD** is sold as a cheap, easy to assemble kit.

Two options are available for the coils : 55 Ohm, 0.14.g and 125 Ohm, 0.11g.

Two solutions are proposed for the magnets, they allow to adapt the torque to the control surface. Two centering magnets are also included.



For details and applications, see [www.didel.com/lr/PolyBIRD.pdf](http://www.didel.com/lr/PolyBIRD.pdf)