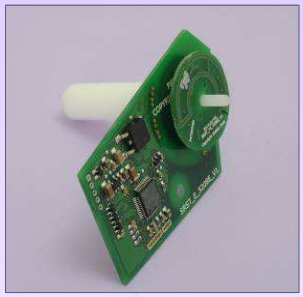
Zettlex

Precision in the Extreme

Zettlex in Aerospace & Defence

Zettlex is a sensors company. Our sensors measure position accurately and reliably even in harsh conditions. Unique inductive technology enables non-contact measurement in rotary, linear, 2D & 3D geometries - typically over scales of a few microns to 1 metre. The main parts of our sensors are flexible or rigid printed circuits.

Our sensors are in service on platforms including:
- HERTI unmanned aerial vehicle
- Type 45 destroyers
- Leopard A2 main battle tank
- Talarion unmanned aerial vehicle



There is a wide variety of applications such as:
- Angle encoders for seekers, radar, EOI & weapons systems
- Servo feedback for fin or flight surface actuators
- Throttle, brake & undercarriage position sensors
- Encoders for brushless motors.

Advantages include:
- High resolution (to 24 bit), repeatability & zero hysteresis
- Unaffected by extreme environments (e.g. >200°C)
- No magnets, no bearings, no fine wires, no delicate parts
- No need for precision alignment or fine mechanical engineering
- Electrical redundancy readily achieved
- Lightweight & compact with a versatile geometry
- Low power with analogue or digital outputs
- No ITAR restricted components
- Can be embedded within composites or mechanical parts.

Zettlex sensors are less costly, more precise and tougher than any other non-contact sensor technology. Our IncOder (standard product) range of angle encoders has been specifically designed for the kinds of environments common in aerospace & defence. For more information see www.zettlex.com or contact us at info@zettlex.com.