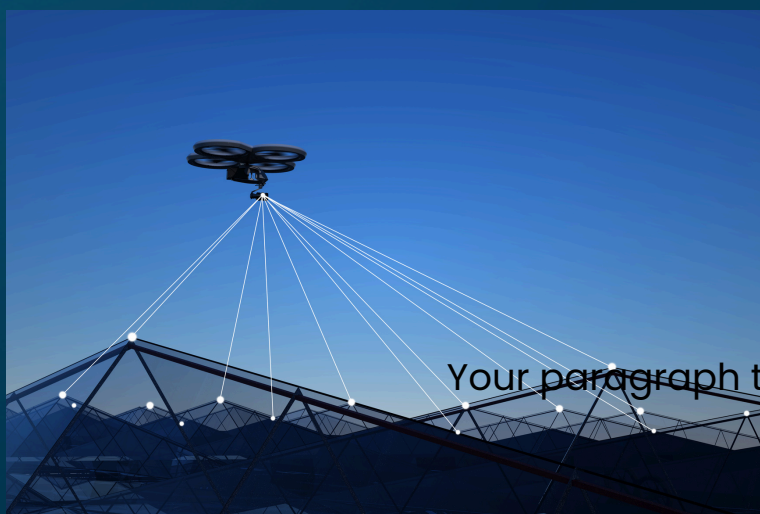


In 1943, the Royal Air Force's *Pathfinder* system dramatically enhanced bombing accuracy, combining radar with target indicators to overcome enemy jamming. The Pathfinder method has largely been forgotten because GPS has dominated navigation, but in a modern GPS-denied environment it has many advantages. Building directly on *Pathfinder*, but using modern information theory and Bayesian methods, **Auto617** introduces **UAV-Pathfinder**, a cutting-edge system designed to solve the modern battlefield's greatest challenge: guiding uncrewed aerial vehicles (UAVs) to their targets in GPS-denied and Electronic Warfare (EW)-contested conditions.



UAV-PATHFINDER

Revolutionizing Precision Targeting in GPS-Denied Environments



Your paragraph text



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Today's small UAVs face significant threats from electronic warfare. Jamming destroys GPS signals, rendering drones ineffective and forcing operators into dangerous proximity to targets. With up to 75% of drones lost in Ukraine due to jamming (according to General Pierre Schill, the French army's chief of staff), a new approach is critical for the success of small UAVs on the modern battlefield.

The Solution: UAV-Pathfinder

Auto617's **UAV-Pathfinder** offers an unjammable, cost-effective targeting system:

- **Advanced Target Indicators:** Deploy information-theoretic markers resistant to destruction or counterfeiting
- **Optical Guidance:** Achieve sub-metre accuracy without GPS or A.I.
- **Ideal for asymmetric artillery threats.** Works best for fixed or troublesome-to-relocate targets like towed artillery and radar systems.
- **Electronic Warfare Resilience:** Full Faraday-cage enclosed UAV electronics, impervious to electromagnetic interference.
- **Low Cost, High Impact:** Adds only a few hundred dollars to the cost of each UAV, enabling precise operation for drones priced under \$2,000.

Key Advantages

- **Reliable in Adversity:** Operates seamlessly where GPS and video feeds are jammed.
- **Swarm-Ready:** Scalable for use with UAV swarms or loitering munitions.
- **Rapid Deployment:** Marker deployment and targeting happen quickly, reducing enemy response time.
- **Proven Performance:** Markers can't be faked or easily destroyed, ensuring mission success with minimal resources.

Join Us

Based in the UK, **Auto617** is seeking collaborators, co-developers and licencees worldwide to bring our patent-pending **UAV-Pathfinder** system to market. Together, we can redefine UAV targeting systems and deliver unmatched precision on today's complex battlefields.

Contact **Auto617**

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