

# Red Baron Interceptor System® RBIS® By ZICKEL ENGINEERING

UAV interceptor based on R2K® guidance law.

## EXECUTIVE SUMMARY

### THE PROBLEM

Today's most aerial dangerous threats can't be intercepted or diverted without either hard kill or direct energy, with large infrastructures at heavy costs for single-use missiles. Should a drone change trajectory, the missile can't chase it. Multiple or large quantities of threats require a better, more cost-effective solution.

## OVERVIEW

### MANAGEMENT



**Robert Zickel** CEO & founder

Founder, CEO & owner of Zickel Engineering Ltd, an R&D and engineering company with 40 Years of overall experience in research, development, and deployment of multidisciplinary aerospace systems.

### FINANCIALS

Bootstrap funding

**ZICKEL ENGINEERING'S TEAM** of talents specializes in flight control guidance and real-time implementation with a proven record of success.

### VISION

Implement proven aerial tactics of aces legacy with AI and cutting-edge technologies for the best possible protection.



### MISSION

Provide cost-effective hard-kill solutions against national-level air threats as part of the C-UAS arena.



### CURRENT SOLUTIONS

Directed energy / Intercept slow drone/direct hit missiles / Gun.



### RED BARON INTERCEPTOR®'S SOLUTION

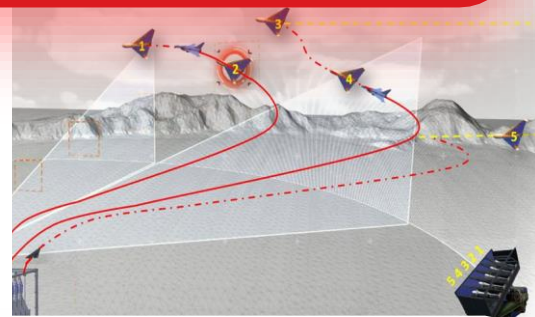
RBIS® interceptor uses AI to implement proven aerial fighting tactics such as pilotless dogfight tactics to kill approaching threats and act as an ordinary missile. The mobile launcher of RBIS® allocates interceptors and predicts waypoints to guide the interceptors while connected to a communication center.

### CURRENT STATUS

The RBIS® is ready to integrate with the customer's C4I or a local C2 that provides the needed threats trajectories (building blocks at TRL 6, demonstrator flown). Items at TRL 3: midcourse navigation, RBI®'s mounted sensors and advanced end effector.

### GO TO MARKET

RBIS® will be integrated into existing defense systems.



### MARKET POTENTIAL

**\$2.9 B**

In 2031

#### C-UAS MARKET

#### SAM

20% of the global anti-drone market is physical intercept valued which is anticipated to register a CAGR of 28%

**\$730 M**

By 2031

#### MARKET OPPORTUNITY

#### SOM

of 5% of SAM is anticipated to register a CAGR of USD730 million by 2031.

### STAGE ROAD MAP

Jan 2022

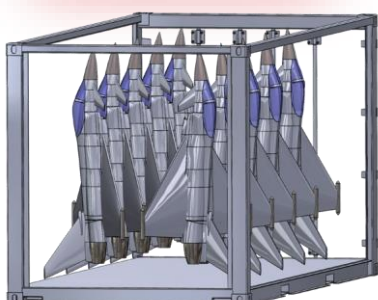
Jul 2022

2023

Initiated

Concept tested

DECA approval



### THE ASK

We are looking for a strategic partner to reach TRL6, provide the first product to the market by Q2 2025,.

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