

## Sky Hopper Equity Offer - Short Briefing



### **SkyHopper® is a mid-mass industrial unmanned aerial system**

- **Multi-mission capable with existing pre-sales opportunities**
- **Market leading operational flexibility**
- **Built by an experienced multi-disciplinary team**
- **Early revenue opportunities already established**
- **Future upgrade pathway for substantial gains on investment**
- **Technical aspects already tested successfully**

The Sky Hopper Project is a design and manufacturing venture. Its goal is to develop a range of unmanned aerial vehicles offering a wide range of surveying and logistical uses by bringing a higher payload capability to the civil unmanned aerial vehicle market.

Early investment has created the strong technical foundation for future success.

- **Full aerodynamic model verifying mission capability**
- **Structural modelling and flight testing of the design concept**
- **Power systems and flight control software assessment.**
- **Design, engineering, workshop and regulatory accreditation team in place**
- **Mission software and firmware capability established**

**A first demonstrator build is already underway and has existing pre-sale opportunities**



**You are invited to participate as an equity investor in this important industrial project.**



## Management team

The Project is led by experience Directors with decades of industrial and technical experience.

### **Eben Wilson MA Hons (Econ), DipM – Project Lead and Head of Manufacturing Systems**

Owner of telematics businesses specialising in field data collection. Designer and manufacturer of automated data systems using wireless communications.

Has responsibility for co-ordinating the Sky Hopper<sup>®</sup> team effort, while bringing extensive experience of data communications necessary for field operations of Sky Hopper as a networked system.

### **Fred Gorrie C.Eng RAeS – Head of Engineering Systems**

A Chartered Engineer and member of the Royal Aeronautical Society (RAeS). Has thirty years' experience in aeronautical engineering in the UK, Europe and Canada as director of numerous projects.

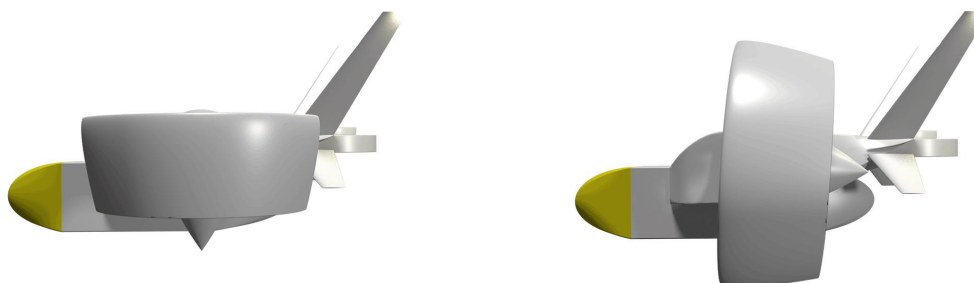
Leads on the development of the regulated Sky Hopper<sup>®</sup> vehicle and the transfer of that design into a manufacture suitable for rapid repeatable construction at economic cost.

### **Dr Richard Brown C.Eng, FIMechE, FRAeS – Head of Aerodynamic Systems**

An expert in mathematical modelling who has been involved in both fixed wing aircraft and helicopter design for more than twenty five years.

Dr Brown performed the preliminary aerodynamic analysis and modelling of the vehicle. He will manage the evolving flight performance and aerodynamic design of Sky Hopper<sup>®</sup>.

Supporting technical expertise has been established through a range of associates in specialist sub-systems such as electric motor design, battery systems, electronic control, avionics, secure communications, and composite materials.



**Unique tri-fan design offers VTOL mission capability and enhanced range cruise mode**

**SkyHopper<sup>®</sup>**

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**MAINHunter**  
aerospace ltd

## Market leading flexibility

The Sky Hopper® project has been designed to create early revenue opportunities in specific areas.

These emerge from its unique design:

- Electrically powered for rapid cycle missions and pollution-free operation.
- Vertical take-off and landing capability, but also with cruise mode for longer range.
- Swap out multi-function cargo module with drop off capability.

These design aspects have opened up pre-sales demand both by extending existing uses of small scale drones and introducing new revenue earning missions only possible with the higher mass carry capability that Sky Hopper offers.

- Expedition support and science surveys
- Coastal marine, estuarial and harbour monitoring
- Wide area livestock, agricultural crop and forestry analysis.
- Field infrastructure and civil engineering systems monitoring
- Mission critical systems parts and consumables logistics support
- General cargo-carrying for remote and isolated communities



The intent is to exploit these opportunities worldwide by developing a managed mission system operated by trained professional operators. In this Sky Hopper straddles both existing markets for UAV support and new emerging markets estimated to have a \$6billion turnover by 2015.

## Pre-sales opportunities

- Science survey and coastal monitoring missions have been analysed with potential clients.
- Field engineering support missions have been identified with large revenue opportunities in the natural resource, mining, and power systems market place.
- More generalised cargo delivery missions for remote communities have been identified.



Our demonstrator vehicles are under construction now and are intended to be complete in time for early test flights in the late summer of 2019. Early revenue opportunities from geo-physical surveys have been established and we are co-ordinating with partners on their instrumentation needs.



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## Your equity investment opportunity

A first design of the Sky Hopper is being built now, code-named ACD-200S. This vehicle has a target payload of 20Kg. The early investment of the founders and this equity release allows us to develop our design to the point where it can be used for initial missions and potentially earn initial revenues.

Investment is being sought to reach this point and to:

- Extend our marketing effort to build new sales opportunities in target market segments.
- Convert existing pre-sale opportunities into revenue and develop new pre-sales.
- Develop the ACD-200S design further to increase range and mission capabilities.

The science mission, geo-survey and infrastructure support markets are existing markets for “drones” where a mid-mass UAV can excel through offering an extended capability and higher carry-mass for more complex missions. This will generate more value with higher revenues.

## How the equity release will be done

The investment scheme will release equity in Main Hunter Aerospace Ltd; the company designing and building the vehicle system. We are using a syndicated pledge approach, where investors offer to purchase £250 “blocks” of one pound shares, but no funds are taken until key milestones of £50,000 each are reached. The total being raised in this cycle is £150,000.

It is intended that your funding will be accepted into the Special Enterprise Investment Scheme (SEIS). Through this scheme you are able to claim a refund on your income tax and there are also additional capital gains tax benefits. To enter this scheme, new HMRC rules require us to show that we have the promised investment capital; hence the syndicated pledge method of raising funds.

## Your first step

Your first step is to contact us with a no obligation “offer to pledge”. Honest dealing and due diligence requires us to make sure you understand the risks of the project and the terms of our equity release to you. Once this is done, we will register your pledge as a syndicate investor.



The Sky Hopper system has global potential in a rapidly expanding market

**E-mail: [skyhopper@mainhunter.co.uk](mailto:skyhopper@mainhunter.co.uk)**

**Web: [www.skyhopper.co.uk](http://www.skyhopper.co.uk)**

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