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For further information contact Anna King on [anna@informare.co.uk](mailto:anna@informare.co.uk) or +44(0) 7780 956291

## PRESS RELEASE

### Bradbrook Consulting appointed to design and develop the world's largest vertical farm

Bradbrook Consulting, part of the Hurley Palmer Flatt Group, has been appointed by a joint venture between Agri-tech firm Crop One Holdings headquartered in Silicon Valley and Emirates Flight Catering to provide a full suite of services for a complete turnkey design for the world's largest vertical farm in Dubai. Construction is due to start early 2019.

The group will provide this high-tech, low-water agricultural phenomenon with architectural, mechanical and electrical engineering services, as well as structural and civil engineering.

A state-of-the-art building, the project is expected to comprise of an education centre, VIP lounge and a café within its 130,000-square footage.

The facility will begin by supplying food for Emirates Airline, revered for its dedication to offering an exemplary customer experience, from its base at Dubai International Airport.

Emirates Flight Catering and Crop One say the facility will use 99% less water than outdoor fields, with the ambition to harvest 6,000 pounds of leafy greens daily, which

will find their way into both in-flight meals and airport lounges from December next year.

It is estimated the UAE imports as much as 85% of its food needs and only a small percentage of land is considered arable. Hyper-productive indoor vertical farming built close to the consumer is therefore an appealing concept on paper.

The process is "season-less" and grows produce 365 days a year. Plants feed on a nutrient solution instead of soil, and variables including temperature and humidity are tightly controlled in modular rooms to generate maximum yield. The facility will use "a mix of renewable and utility source" electricity and is targeting solar energy to power the LED lighting.

Paul Flatt, the Group Chairman and CEO at Hurley Palmer Flatt Group says: "Adding value to complex projects whilst providing a multi-discipline design solution with Architecture, MEP, Structures and Civil allows the group to demonstrate what it does best. We are pleased to be working with Emirates and Crop One on the world's largest vertical farm".

Grant Verster, the Director at Bradbrook consulting who are responsible for delivering this scheme, says: "This is an incredibly exciting project to be part of, offering a smart approach to tackling the water scarcity in the UAE\*, by lending design principles from various sectors we are able to ensure the facility has a relatively low carbon footprint with a high focus on renewables and reuse of water which allows the production of a fresh local produce throughout the year."

\*second only to Kuwait in the Middle East

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## **Notes to Editor:**

### **About Bradbrook Consulting**

Bradbrook Consulting is an established company of Engineering Consultants, providing a wide range of services across the Construction sector. The Company was formed in 1984 in Surrey, England. Since then the company has undergone steady and consistent growth, with offices in the United Kingdom in London, Kingston upon Thames, Watford and Warrington. In addition, active progress in the Middle East over the last 20 years has led to our opening offices in Dubai and Qatar.

Bradbrook Consulting is active in all major sectors of development including office, industrial, warehouse and distribution facilities, shopping centres, high street and out of town retail, leisure and hotels, schools and universities, hospitals, health care, private and public residential, refurbishment and historic buildings.

The core services are Civil Engineering, Structural Engineering and Infrastructure Design, with expertise in the ground, where innovative and pragmatic solutions can be found. This would include the key issues of foundations, drainage, cut and fill, contamination and flooding.

Bradbrook Consulting is a highly technical and innovative business and employ the latest technology to complete our projects quickly and economically.

Bradbrook Consulting is a Hurley Palmer Flatt Group company.

For further information please visit <https://www.bradbrookconsulting.com/>

### **About Hurley Palmer Flatt Group**

Hurley Palmer Flatt Group is the UK's leading independent multidisciplinary engineering consultancy, providing solutions for the built environment. Established in the UK in 1968 as a trusted advisor, we deliver engineering solutions for clients worldwide.

Hurley Palmer Flatt Group's success is built on our commitment to adding value beyond engineering. The company has grown and expanded its offering over time with the acquisition of complementary businesses including Andrew Reid & Partners and Bradbrook Consulting. The company continues to grow its turnover organically.

With over 450 staff located throughout our ten office locations delivering projects worldwide. The Group is Headquartered in London with 5 other UK offices as well as offices in Dubai, Mumbai, Hong Kong, Singapore & Sydney as well as JV in New York.

The group provides design and consultancy services in nine core areas:

- Building Service Engineering (MEP)
- Building Structures & Civil Engineering
- Commissioning Management
- Energy & Sustainability
- Critical Engineering
- Advanced Building Design
- IT, AV & Security & Smart Buildings
- Fire Consultancy
- Building Information Modelling (BIM)

The Hurley Palmer Flatt Group include both Andrew Reid and Bradbrook Consulting. For further information please visit <http://www.hurleypalmerflatt.com>

### **About Emirates Flight Catering**

Emirates Flight Catering is one of the world's largest catering operations. Offering airline, events and VIP catering as well as ancillary services including laundry, food production and airport lounge food & beverage, Emirates Flight Catering is a trusted partner of over 105 airline customers, hospitality groups and UAE government entities. Each day, the company's 11,000 dedicated employees prepare an average of 225,000 meals and handle 210 tonnes of laundry.

### **About Crop One Holdings**

San Mateo, Ca.,- based Crop One is a vertical farming holding company for two subsidiaries – FreshBox Farms, Millis, Mass., and a joint venture with Emirates Flight Catering, Dubai South, United Emirates. Crop One has been in commercial production longer than any other major vertical farmer in the U.S. It produces the highest crop yield per square foot, at 25% of the capital cost, of any vertical farm, due to its unique combination of proprietary technology

platform and best-in-class plant science. For more information about Crop One and vertical farming follow the link to [CropOneHoldings.com](https://CropOneHoldings.com).