



Fleurish Farms Advances High-Yield, Energy-Efficient Cannabis Cultivation with Innovative Solution Integrating Solar Capture Equipment and Heliospectra LED Technology

(GOTHENBURG, Sweden/SAN FRANCISCO, CA, December 21st, 2016) – Heliospectra AB (publ) (OTCQB: HLSPY, FIRSTNORTH: HELIO), a world leader in intelligent horticultural lighting technology, was showcased in a first-of-its-kind growing system that debuted at a recent cannabis forum in San Francisco. At the New West Summit, Fleurish Farms CEO Dr. Jonathan Cachat spoke about Dynamic Supplemental Sunlight SunGrown Indoor™, a cultivation technology that combines sunlight capture equipment with Heliospectra LED grow lights.

Fleurish Farms' integrated DSS SunGrown Indoor system empowers cannabis growers to cultivate indoors at a dramatically lower cost and carbon footprint while achieving high yields and consistent chemical composition in crops. The system features solar tubes with custom optics that maximize available sunlight to mimic greenhouse conditions. Software-controlled Heliospectra LED light fixtures dynamically augment varied sunlight levels to achieve optimal light conditions every day of the year. By eliminating the light waste typical of indoor facilities using conventional high pressure sodium (HPS) fixtures, the Fleurish Farms system improves growers' profit margins and utility savings from their first electrical bill.

"Fleurish Farms and the DSS SunGrown system enable cultivation that is both environmentally and financially sound," said Dr. Jonathan Cachat, CEO and president of Fleurish Farms. "We selected Heliospectra lights for our systems because they are an intelligent, network-connected LEDs. The ability to stepwise increase or decrease the overall light output in response to fluctuating exterior sunlight levels, in addition to having granular control over specific light spectrums made Heliospectra LEDs an easy choice. We are able to take advantage of these energy efficient LEDs and the superior light quality to drive or direct plant performance and optimal growth, while relying on the full-spectrum, natural sunlight to support baseline photosynthesis rates."

After conducting rigorous research on how to most effectively apply sunlight to indoor grows, and how to augment this light in the most efficient manner possible, Fleurish Farms announced that the DSS SunGrown Indoor systems are now available for commercial sale. Cannabis cultivators using the system can expect an 80 percent reduction in electricity use as well as improved water efficiency and crop quality versus indoor facilities reliant upon conventional technologies.

"As temperature and relative humidity are critical to indoor growing, only Heliospectra technology meets Fleurish Farms' control and efficiency requirements for an adjustable LED product designed for growing cannabis in a controlled indoor environment," said Christopher Steele, COO of Heliospectra. "We're

pleased that Heliospectra is a core component of Fleurish Farms' innovative growing system, which raises the bar for high-performance, high-efficiency cultivation.”

Heliospectra was recently named [the industry leader in lighting technology](#) at the second annual Cannabist Awards in Las Vegas, Nevada.

Join the Heliospectra Conversation:

- Learn about the DSS SunGrown Indoor technology at <http://fleurishfarms.com/> and on social media platforms [@fleurishfarms](#) and <https://www.instagram.com/fleurishfarms/>
- Read more at www.heliospectra.com/blog
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About Heliospectra AB

Heliospectra AB (publ) (OTCQB: HLSPY, FIRSTNORTH: HELIO) (www.heliospectra.com) specializes in intelligent lighting technology for plant research and greenhouse cultivation. The Company's lighting system provides an effective and durable technology for cultivating greenhouse and indoor plants by combining several different groups of versatile light emitting diodes (LEDs) with optics, remote sensing techniques, and a robust heat dissipation solution. This proprietary setup gives growers the ability to control the intensity and wavelengths of the light emitted, creating a spectrum specifically adjusted to different plant species and growth stages to better facilitate photosynthesis. The complete, highly-engineered lamp produces crops that look better, taste better, and have a longer shelf-life than those grown under HID lamps. The technology not only reduces energy consumption by up to 50%, but also helps stimulate growth characteristics and improve plant quality. Other benefits include reduced light pollution, lower mercury use due to the avoidance of traditional HID/HPS bulbs, and less HVAC investment and monthly expense requirements.

Heliospectra products are based on in-depth knowledge in plant physiology and photosynthesis along with a unique way to utilize modern LED technology. After six years of development in Sweden, the company has now begun to expand into the international market. The company has raised more than \$ 21 million in capital over the years and has received more than \$2.6 million through academic scholarships and grants. It has also received numerous awards for its forward thinking technology. Principal owners: Weland Steel www.welandstal.se, Swedish Industrial Fund www.industrifonden.se, Midroc www.midroc.se, Avanza Pension www.avanza.se.

Forward-Looking Statements

The statements in this press release constitute forward-looking statements within the meaning of federal securities laws. Such statements are based on our current beliefs and expectations and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. In addition, such forward-looking statements are subject to assumptions with respect to future business strategies and decisions that are subject to change. Potential risks and uncertainties include, but are not limited to, technical advances in the industry as well as political and economic conditions present within the industry. We do not take any obligation to update any forward-looking statement to reflect events or developments after a forward-looking statement was made.

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