



Macedonia's First Licensed Cannabis Cultivation Facility Deploys Heliospectra LED Lighting Solutions

Mak North America Standardizes Crop Production with Innovative Lighting Strategies

(GOTHENBURG, Sweden / SAN FRANCISCO, CA, February 28, 2017) – [Heliospectra AB](#) (publ) (OTCQB: HILSPY, FIRSTNORTH: HELIO), a world leader in intelligent lighting technology for controlled plant growth environments, announced that Mak North America has standardized on Heliospectra LED lighting solutions to open the first licensed medicinal cannabis cultivation facility in the Republic of Macedonia. The initial order value is \$143,034 (1.27 million SEK).

“Mak North was intrigued by Heliospectra’s LED technology because of the energy savings and heat dissipation that the company’s lighting solutions provide for indoor grow environments,” said Kris Swaffer, CEO of Mak North America. “Heliospectra’s expertise and customized lighting strategies for cannabis enable us to consistently provide the highest quality product to the medical community and patients here in Macedonia and abroad.” As more countries across Europe consider legalization of medicinal cannabis, Mak North is well positioned for a robust export market to meet the growing global demand for pharmaceutical grade cannabis products with standardized chemical profiles.

The Republic of Macedonia accelerated support and availability of medicinal cannabis at dispensaries in May 2016 after legalizing cannabis for medical use only. Mak North’s Macedonia cultivation facility will spark significant economic growth for the region by creating between 500 and 750 new jobs.

The 26,000-square foot Mak North facility (2,415 square meters) features two and three vertical tiers of crop growth to optimize space and yields. Heliospectra’s [E60 series 600 watt LEDs](#) provide a sole source lighting solution with high intensity, fixed spectrum light to accelerate cannabis flowering time and boost trichomes harvest after harvest. The E60 series can also be applied across the plant growth cycle and significantly reduces energy and utility costs as well as HVAC infrastructure needs when compared to traditional high pressure sodium (HPS) lights often used in controlled environment agriculture.

“The executives at Mak North demonstrate that LEDs are the best option for businesses who deploy technology and cultivation solutions to promote energy savings and rapidly scale efficient operations,” said Ali Ahmadian, CEO for Heliospectra. “It is an honor to partner with Mak North and the Republic of Macedonia government to create a state of the art cannabis cultivation facility that positively impacts the community.”

About Mak North America

Headquartered in Dallas, Texas, Mak North America has established a thriving export business providing sunflower oils and extracts to companies worldwide. If you would like to learn more about Mak North America and the Macedonia facility, please contact CEO Kris Swaffer at krisswaffer@gmail.com.

Investor Relations:

Ali Ahmadian, CEO of Heliospectra | +46 (0)72 203 63 44 | Ali.Ahmadian@heliospectra.com

Michael Swartz, Senior Analyst | Viridian Capital Advisors, LLC | +1 212-333-0257 | mswartz@viridianca.com

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About Heliospectra AB

Heliospectra AB (publ) (OTCQB: HILSPY, 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 \$29 million in capital and has received more than \$2.6 million through academic scholarships and grants. Heliospectra 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.

This information is information that Heliospectra AB (publ) is obliged to make public pursuant to the EU Market Abuse Regulation. The information was submitted for publication, through the agency of the contact person set out above, at 14:00 CET / 8 AM EST on February 28, 2017.