

Nextleaf Licenses U.S. Patent to Hempcrete Natural

Nextleaf's patented hemp technology may reduce the cost of cement production

Nextleaf to present at Canaccord Genuity's 6th Annual Cannabis Conference

Vancouver, British Columbia--(Newsfile Corp. - May 9, 2022) - Nextleaf Solutions Ltd. (**CSE: OILS**) (**OTCQB: OILFF**) (**FSE: LOMA**) ("**Nextleaf**" or the "**Company**"), a federally regulated manufacturer and distributor of cannabis vapes and oils, is pleased to announce that it has entered into a strategic agreement (the "**Agreement**") with Hempcrete Natural Building Ltd. ("**Hempcrete Natural**"), an international construction company creating carbon neutral communities through sustainable, renewable, and stronger buildings.

The Agreement permits Hempcrete Natural, on a non-exclusive basis, to commercialize certain Nextleaf intellectual property, specifically, a U.S. patent related to hemp biomass processing.

Hemp ash processed using Nextleaf's patented technology shows promise as a key ingredient and replacement for fly ash in the manufacturing of Portland cement. Research suggests Portland cement production is responsible for 2-3% of global energy use and approximately 5% of man-made CO₂ emissions.

Government funded R&D led by Nextleaf Engineering Manager, Dr. Krupal Pal, PhD, P.Eng., demonstrated superior performance of hemp ash as both a valorized biofuel and as a cementitious material. Dr. Pal co-authored, with leading academics, a research paper titled 'Hemp Waste Valorization as Biofuel and Cement Replacement in Cement and Concrete Production' which can be [accessed here](#).

When leveraged as a biofuel during hemp ash production, power is generated, and metric tonnes of biomass can be diverted from landfills and used as a supplementary cementitious material. Current estimates indicate close to a billion kilograms of biomass being harvested annually by the marijuana and hemp industry with tonnes of waste sent to settlement pits and landfills.

"Nextleaf identified carbon lifecycle management as an opportunity to reduce greenhouse gas emissions while launching a new vertical. We are excited to license our technology to a team of subject matter experts with decades of experience with hempcrete building materials," said Nextleaf CEO and co-founder Paul Pedersen.

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Nextleaf CEO Paul Pedersen will be presenting at Canaccord Genuity's 6th Annual Cannabis Conference on May 11, 2022, at 8:00 AM Eastern Time. For more information about joining this virtual event, please visit: <https://www.canaccordgenuity.com/capital-markets/about-us/events/cg-2022-us-cannabis-symposium/>

The Company's award-winning prohibition-era brand, *Glacial Gold*[™], outsold Canada's largest cannabis producers in the oil and vape category in British Columbia during Q1 2022. *Glacial Gold*[™] Anytime Vape is the #1 selling CBD forward vape SKU in B.C. Nextleaf has developed a competitive advantage in the production of cannabis oil by leveraging its patent stack to control the cost and quality of the ingredients used to manufacture vapes and oils. Nextleaf has been issued 10 U.S. patents for what the Company believes to be the most efficient technology to produce high-purity distilled cannabinoids in a regulated market.



To view an enhanced version of this graphic, please visit:

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About Hempcrete Natural Building Ltd.

Hempcrete Natural is a British Columbia based, international construction company focused on building carbon neutral communities and affordable housing to create a more sustainable future. Hempcrete Natural removes petrochemicals from the construction process by replacing them with fibre-reinforced lightweight concrete, free of concerns such as pests, mould, and fire. With over 20 years of experience and a network of strategic partners for supply chain needs, Hempcrete homes use 60% less energy, are less expensive to build, and last for multiple generations. For more information visit: www.hempcrete.ca

About Nextleaf Solutions Ltd.

Nextleaf® is a federally regulated manufacturer and distributor of cannabis vapes and oils under its award-winning prohibition-era brand, *Glacial Gold*™. The Company's multi-patented ingredient processing technology transforms cannabis and hemp biomass into high-purity distillate at an industrial scale. Nextleaf is a low-cost producer of cannabis oils, and supplier of THC and CBD ingredients to qualified wholesale partners across Canada. Nextleaf is the first publicly traded company to be issued a U.S. patent for the industrial extraction and purification of cannabinoids. The Company has been issued 18 U.S. patents, and over 95 patents globally, on cannabinoid processing including distillation and acetylation. Nextleaf develops cannabinoid-based formulations and proprietary delivery technology through its Health Canada Research Licence with sensory evaluation of cannabis via human testing. For more information visit www.nextleafsolutions.com and www.Glacial.Gold

Nextleaf trades as [OILS on the Canadian Securities Exchange](#), [OILFF on the OTCQB Market in the United States](#), and [LOMA on the Frankfurt Stock Exchange](#).

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Follow *Glacial Gold*™: [Instagram](#), [Twitter](#), and [Facebook](#).

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On behalf of the Board of Directors of the Company,
Paul Pedersen, CEO

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