



consulting

10/10/2021

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**Infinity
Supercritical LLC**

Botanical Extraction Consulting by Infinity Supercritical

Structured Data

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Consulting Available: Botanicals industry and supercritical CO2 applications, including extraction, recycling, and precious metal recovery.

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Company Name: Infinity Supercritical LLC
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PDF Version of the webpage

This webpage QR code

<https://infinitysupercritical.com/consulting.html>

Strategy and Consulting Services

Need Strategy ? Use our consulting and analyst services for the botanicals industry.

Use our knowledge for investing, vetting out investments, process improving, methodology, and strategy.

We present data in logical, easy to understand format with links for additional research or verification of data.

Minimum contract \$4,999. Up to 10 hours of consulting. Sold as-is and provided on a best efforts basis.

All time is documented and a summary log will be provided when requested.

Unused credit may be used for a period of six months after invoice date.

Consulting is provided via telephone, email, or other media as agreed to in writing (email).

Minimum billing is 30 minutes, so it is recommended to have questions, support, and consulting for at least that period of time. References available.



Our Research, Development, and Product History

Since 2004 we've specialized in CO2 waste heat to energy, CO2 to fuels, and sonochemistry.

Since 2008 we've specialized in using Brayton and Organic Rankine Cycle (closed-loop phase change cycles) to make waste heat to energy, specifically using common refrigerants and carbon dioxide (CO2).

Developed supercritical phase change CO2 test demonstrator cart for developing micro turbines for supercritical CO2 with heat as low as 89F (which can be used by any solar thermal or cloud computer server farms, or even bitcoin cooling).

Since 2015 we've developed, built, and sold:

- Supercritical CO2 systems for the botanicals industry
- Experimented and developed hydrodynamic cavitation extraction system
- Developed vegetable oil solvent based extraction system for hemp and other botanical oil applications, including harvesting terpenes
- Developed home based DIY cosmetic system for formulating skin cream and oils
- Developed hydrodynamic cavitation extraction system for harvesting terpenes
- Researched spinning disc reactor for centrifugal partition chromatography
- Researched structured water for extraction, centrifugal separation, terpene harvesting, plant growth (hydroponics, fogponics) and other applications as presented by state-of-art Russian research and Viktor Schaubberger
- Researched spinning laser light for plant growth
- Experimented and developed a one moving part liquid cavitation pump
- Experimented and developed a modular fogponics system
- Experimented and developed a solid state chiller
- Experimented and developed super chilled salt water, ethanol, and CO2 systems
- Experimented with various methods of using pressure to perform extraction including pulsed pressure, explosive nitrogen decompression.



Contact

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