

Root Engineers Partners with Deschutes Labs on New Hemp Facility Design Project

*Experienced engineering team
specializing in the cannabis industry
partners with Oregon-based hemp
processing company on facility design*

BEND, OREGON, USA, May 13, 2019 /EINPresswire.com/ -- [Root Engineers](#), the cannabis-focused division of ColeBreit Engineering, has partnered with Deschutes Labs, a large-scale hemp processing facility in Central Oregon. The Root Engineers team is providing mechanical, electrical, plumbing and fire protection design services, in addition to working with architectural and structural consultants, contractors and other involved parties on the entire design and construction process.



“We wanted to make sure that we had our facility right from the beginning of the process, and wouldn’t have to make costly changes down the road,” said Anthony Vivolo, co-owner of Deschutes Labs. “Bringing in a quality and diligent team, including the experts at Root Engineers, helped us create a facility that was compliant and efficient, avoiding any potential backtracking and getting us up and running quickly.”

Deschutes Labs is constructing a 6,000 square foot hemp processing facility located in Prineville, Oregon. Due to its planned extraction operations, the facility had to comply with several local and state codes. Initially, the Root Engineers team was brought on board to help the owners locate a property that would work best for their facility and their chosen extraction process. After the property selection process was complete, Root Engineers worked in a design-build capacity with a team comprised of architects, structural engineers, general contractors and other consultants to design a code-compliant facility, taking into account the owner’s budget, various hazardous area classifications, maximum allowable quantities and equipment selection.

The Root Engineers team was responsible for a variety of mechanical, electrical, plumbing and fire protection considerations, including:

- Hazardous area classification
- Adequate airflow
- Continuous exhaust
- Spark resistant motors
- Electrical outlet location
- Spark-proof lighting

- OSHA considerations pertaining to emergency showers, emergency power and antistatic flooring

"This project is a perfect example of how our team can help cannabis facilities design safe, compliant and successful operations," said Laura Breit, Managing Principal of Root Engineers. "Because Deschutes Labs assembled such a great team of outside design and construction consultants and brought us in early in the process, we were able to gather essential project information at the start and make important decisions at the right time."

The design team included several Central Oregon-based companies that will continue to be involved in the construction process as the project progresses. Architectural design and code and life-safety compliance for this project is provided by Stemach Design and Architecture, structural design is provided by Ashley and Vance Engineering, and Griffin Construction is the General Contractor.

Root Engineers will continue to partner with Deschutes Labs through the construction process. Deschutes Labs plans to begin its phase two design by the end of the year on a 30,000 square foot facility behind the current hemp processing facility.

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About Root Engineers

Root Engineers, a division of established firm ColeBreit Engineering, is a team of licensed professional engineers providing engineering, design, and consulting services for cannabis cultivation and processing facilities across the country. Root Engineers began building partnerships in its home state of Oregon in 2014 with growers, architects, contractors, and investors. With more than 100 years of combined engineering experience and more than 80 cannabis engineering projects in their portfolio, Root Engineers is a market leader in engineering services including mechanical, electrical, plumbing and process engineering.

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