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BIOREFINING

As facilities operating in a nascent industry, biorefineries face a number of challenges. Some of these issues are a matter of scale as plants evolve to convert a greater variety of feedstocks into more high-value products. Other challenges are specific to starch conversion or the biomass process. Biorefineries must employ the best possible technologies for fermentation, propagation, co-product generation and chemical/biological conversion, as well as for the pre-treatment of biomass substrates. And they must be able to produce high-quality products in the most efficient manner possible while achieving zero discharge. This requires innovative chemistries, but it also requires a team of experts who understand the end-to-end needs of biorefineries.

Solenis offers a number of innovative solutions to help biorefineries stay competitive. For example, our corn oil extraction aids enable fuel ethanol plants to significantly increase their corn oil yield by improving the release of oil during mechanical extraction. These extraction aids also reduce solids in the oil, resulting in a cleaner, higher-quality oil. Our non-antibiotic fermentation aids allow biorefineries to increase their alcohol yields by promoting and aiding desired organisms in the process while simultaneously reducing undesirable microbiology. These treatments also allow for the production of high-value, antibiotic-free distillers grains. And, our scale inhibitors significantly reduce the potential for scale formation within evaporators, resulting in less frequent and shorter downtime for system cleaning and maintenance.

These solutions, and many others offered by Solenis, are helping biorefineries stay profitable and productive.

Contact us (<http://solenis.com/en/contact-us>) today to see how we can help you realize your full potential.

YOUR SOLENIS EXPERT



McCord Pankonen

Applications Manager

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Solenis is a leading global manufacturer of specialty chemicals, offering a broad array of process, functional and water treatment chemistries as well as state-of-the-art monitoring and control systems and expert support.

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