

# Industrial WaterWorld

## CENTRISYS CORP. WINS U.S. EPA NUTRIENT RECYCLING CHALLENGE

**KENOSHA, WI, April, 22, 2016 --** Centrisys Corporation, a leading North American manufacturer of dewatering and thickening centrifuges, announced today that it has been named a winner of the U.S. Environmental Protection Agency (EPA) Nutrient Recycling Challenge. The competition challenges companies worldwide to develop technological advancements that recycle nutrients from livestock manure more effectively. The recognition further solidifies Centrisys' place as a global market leader in manure management solutions.

Livestock producers manage over one billion tons of animal manure annually in the United States. Recognizing the need to accelerate products that address more effective management of this issue, the EPA created the Nutrient Recycling Challenge. Out of 75 submissions from companies worldwide, 34 were chosen to continue on the design phase, and the Centrisys team was ranked as one of the top four winners.

Centrisys' winning paper was titled *Removal of Dissolved Nitrogen and Phosphorus for Livestock Manure by Air Stripping*, and was developed in collaboration with CNP-Technology Water and Biosolids Corp. To maximize nutrient removal from the liquid fraction of manure, the team proposed treating anaerobically digested swine manure with AirPrex® struvite precipitators before being dewatered with a decanter centrifuge. AirPrex® is a CNP technology that utilizes CO<sub>2</sub> stripping to convert the dissolved fraction of phosphorus and nitrogen into solid fertilizer struvite.

"Solid separation is the primary means of managing nutrients in livestock manure and Centrisys has been setting a standard for effective solid separation," said Hiroko Yoshida, Senior R&D Engineer and project



Hiroko Yoshida, Senior R&D Engineer and project leader of Centrisys, receives the EPA Nutrient Recycling Challenge award on behalf of the Centrisys team at the White House Eisenhower Executive Office Building in Washington, D.C.

leader. "We're proud to apply more than a decade of engineering knowledge in solids separation to manure management - helping livestock producers by developing reliable nutrient management solutions."

Since 1987, Centrisys has been a leading global innovator and manufacturer of decanter centrifuges, dewatering systems and process technologies for dewatering and water/solids separation in municipal, agriculture, and industrial applications. Centrisys introduced the industry's first manure waste specific application for decanter centrifuges in the mid-2000s after extensive application and testing in dairy operations throughout the U.S. Compared to traditional slope screen filtration, which separates 20-25 percent of the solids, decanter centrifuges remove 65 percent, or three times as much as a typical separation system. Centrisys is the only U.S. manufacturer

of decanter centrifuges for municipal water and wastewater applications.

### About Centrisys Corporation

Centrisys Corporation is a global innovator of decanter centrifuges, dewatering systems and other technologies for dewatering in dairy operations, as well as municipal and industrial applications. Since its founding in 1987 as an equipment service provider, the company has evolved into an award-winning technical leader, producing breakthroughs that continue to improve efficiency, safety and performance. Centrisys is continually recognized across the industry for innovation and entrepreneurial spirit, including by Frost & Sullivan. Based in Kenosha, Wis., Centrisys is the only U.S. manufacturer of decanter centrifuges for municipal water and wastewater applications. For more information, visit [www.centrisys.com](http://www.centrisys.com). **IWW**

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