

## Advancing Environmental Innovation

# Helping customers separate solids from wastewater more efficiently

## *Centrisys supports global sustainability*

Worldwide, we must find every possible way to manage water resources more efficiently. That makes municipal and industrial wastewater innovation urgent and companies like Centrisys essential.

For almost three decades, Centrisys Corporation has advanced decanter centrifuge innovation for water, wastewater and solids separation.

Since 1987, Centrisys has provided centrifuge equipment repair and maintenance. The company evolved as a technical leader by designing, engineering and building decanter centrifuges and dewatering systems. Centrisys applies its deep technology understanding to produce breakthroughs that continue to improve efficiency, safety and performance.

### Engineered, Designed and Manufactured in the U.S.A.

Based in Kenosha, Wisconsin, Centrisys is the only U.S.A. manufacturer of decanter centrifuges for municipal water and wastewater applications and one of the few companies in the world focused solely on this centrifuge technology. This niche emphasis gives the company room to systematically pursue new markets, industries and customers while bringing crucial innovations that support cleaning wastewater around the world.

Centrisys founder and CEO Michael Kopper leads a team of engineers from diverse disciplines. They bring fresh perspectives, continuous learning and collaborate together to tackle the toughest challenges in the industry.

### Ready for the Future

In 2014, Centrisys launched CNP – Technology Water and Biosolids Corporation to design and supply systems for nutrient recovery and sludge optimization. CNP's key technologies are AirPrex® and PONDUS. The AirPrex® process turns dissolved nutrients into struvite crystals, which can be used as a slow releasing fertilizer when harvested and utilized separately. PONDUS, a Thermo-Chemical Hydrolysis Process (TCHP), increases biogas production and digester capacity, while reducing sludge volume and polymer consumption.

## Centrisys at a Glance

### Industry Applications

- Municipal and industrial water and wastewater
- Food and beverage
- Fish, meat and poultry
- Animal manure
- Agricultural
- Pulp and paper
- Chemical processing
- Biofuels
- Oil and gas drilling
- Mining and tunneling

### Company Leadership

- Michael Kopper, C.E.O. and Founder
- Gerhard Forstner, CNP North America President
- George Kueppers, VP of Production
- James Andresen, Chief Operating Officer
- Luis Garza, Mechanical Engineering Director
- Geoff Harvey, Electrical Engineering Director
- Robert Greidanus, Manufacturing Director
- Robert Havrin, Process Engineering Director

### Facilities & Locations

- Kenosha, Wisconsin – Corporate Headquarters
  - Production
  - Repair and service
- Stockton, California – repair and service
- Lufkin, Texas – repair and service
- Brazil, South America
- Oftersheim, Germany – repair and service
- Abu Dabi, U.A.E.
- Chengdu, China – partnership with Tian Bau for production, sales, repair and service
- Global support centers



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# Continuous Innovations Gain Industry Leaders Attention

Many organizations recognize Centrisys for its valuable innovation leadership. Lead engineering firms analyze and publish wastewater separation technologies recommendations from Centrisys. Cities like Kenosha, Wisconsin have an international reputation for being ahead of the curve in wastewater and water treatment. New York City, Denver, Austin, Seattle, Cleveland and Fresno choose Centrisys centrifuges based on careful consideration of the proven advantages. Beijing, China, one of the world's largest wastewater treatment plants, is currently installing 16 THK600 Thickening Centrifuges to help reduce their biosolids footprint.

### The Centrisys portfolio includes:

- **CS Series:** available from 10- to 30-inch machines, the 2- and 3-phase decanter centrifuges deliver the highest torque with the lowest horsepower; has lower operating and maintenance costs and delivers increased solids handling with higher flow rates
- **DT Series:** the first decanter centrifuge developed specifically for the manure industry; removes suspended solids and nutrients from manure slurry which allows producers to haul less and utilize recovered solids
- **T Series:** a shallow beach centrifuge for mineral applications, mining, tunneling, oil and gas



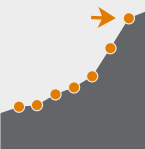
DingFuZhuang WWTP Beijing, China: Five Centrisys THK600 and four CS21-4HC.

- **THK Series:** a centrifuge designed specifically for sludge thickening, available in three sizes: 200, 350 and 600, the THK Thickening Centrifuge design uses little to no polymer, optimizes flow rates and significantly reduces floor space requirements and treatment plant odors

Centrisys continues to build on this momentum, seeking new ways to maximize uptime, efficiency and performance in biosolids technology while supporting global efforts to better manage resources along the way.



**Reduce Energy Use:** Centrisys was the first to design decanter centrifuges with advanced hydraulic scroll drives as a standard. The Viscotherm Rotodiff® back drive provides the highest torque to weight ratio, 100 percent torque at all speeds and low energy consumption. This hydraulic back drive technology saves energy costs for over 2,000 Centrisys customers worldwide.



**Maximize Performance:** Centrisys designed its first centrifuge based on rigorous analysis and testing to ensure high performance and durability. Incorporating the Rotodiff® technology, corrosion-resistant duplex stainless steel, centrifugally cast components and an optimal beach angle of 15 degrees, the centrifuge delivers superior performance. The very first Centrisys dewatering centrifuges, installed 1989 in Honolulu, are still going strong today.



**Service and Repair Capabilities:** The ability to service ALL makes, models and brands of decanter centrifuges allows Centrisys to help you get the most out of your equipment. The service department provides data, training and engineering expertise to efficiently repair centrifuges across a range of applications, while accessing maintenance parts housed at our U.S.A. service centers.

Questions about Centrisys technologies? Contact us today!

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