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BIOFORMING news



VIRENT IS REPLACING CRUDE OIL, CREATING FUELS AND CHEMICALS FROM NATURALLY OCCURRING, 100% RENEWABLE RESOURCES.

WE'RE IN THE REPLACEMENT BUSINESS

You may have seen a new tagline on our website or in our marketing materials: ***Virent is replacing crude oil.***

We couldn't be more direct- in our marketing statements, or in our commercial strategy. Virent's technology transforms renewable plant sugars into the same range of hydrocarbon molecules historically made from refining petroleum.

Because our molecules are identical to those produced from crude oil, our products can be blended in high concentrations with no additional infrastructure investment. Virent's products are truly "drop-in" and ready to work in today's chemical and fuel supply chains, including pipelines, tanks and fueling stations. Our drop-

in fuels are compatible with current automobile, jet and diesel engines at high blend levels. Our plant-based paraxylene enables 100% renewable, recyclable packaging and polyester fabrics.

Our "drop-in," direct replacement advantage means fuel and chemical customers can introduce Virent products into their existing supply chains with no additional investment in new infrastructure, or sacrifices in product performance or compromises in quality. This feature of our technology allows customers to pursue their sustainability strategies sooner, with less hassle and fewer surprises.

Virent is replacing crude oil- won't you join us?



LEE
EDWARDS,
CEO

VIRENT JOINS AMERICAN CHEMISTRY COUNCIL

The ACC represents around 140 chemistry companies, advocating for a more favorable business and political climate that protects the people and products of American chemistry. As a member Virent receives advocacy assistance as well as economic and industry intelligence, research and benchmarking. Virent is also participating in ACC's **Responsible Care** Program, the chemical industry's world-class performance and safety initiative.



MEET JEFF WHITE, VIRENT'S NEW CFO

Virent recently announced that Jeff White has joined the company as Chief Financial Officer. Throughout Jeff's 30-year career he has been integrally involved in international finance, risk management, mergers and acquisitions and executive leadership. Prior to joining Virent, Jeff was CFO at Oakleaf Waste Management, CEO at Renew Energy, and CFO at two publicly traded companies, RCN Corporation and Telecom Corporation of New Zealand (TCNZ). He was also Vice President of Investments and Acquisitions at Ameritech Corporation where he oversaw the \$2.5B acquisition of TCNZ. While at TCNZ he led a \$2.5B secondary stock offering and was instrumental in delivering over \$10B in shareholder value during his tenure. He received a B.A. in Accounting, and an MBA from the University of Wisconsin-Madison. Welcome Jeff!



USDA SECRETARY VILSACK VISITS VIRENT

USDA Secretary Tom Vilsack visited Virent on April 18th to observe how the company's technology to manufacture fuels and chemicals from plant materials can create sustainable products and produce jobs in rural America.

Vilsack met with company employees and toured The Eagle demonstration facility to learn more about Virent's patented BioForming™ process. He saw samples of cellulosic feedstock as well as Virent's gasoline and paraxylene.

During the tour of Virent's facility, Lee Edwards and Randy Cortright explained how Virent's plant-based molecules have the potential to replace over 90 percent of a barrel of oil, including the chemicals used to make many consumer goods, such as plastic bottles to clothing, to fishing lines, tires and soap. Coca-Cola Company and Cargill representatives, both strategic partners and funders of Virent's, were onhand to meet Secretary Vilsack and participate in the tour.

"It was a tremendous opportunity for Virent to meet with Secretary Vilsack and demonstrate how we are working with our strategic partners to provide a viable option to replace imported oil," Edwards said.



Randy Cortright
Showing Secretary
Vilsack Virent's
Pilot Plant Lab.

EDWARDS TESTIFIES IN DC

On February 15th, Virent's Lee Edwards testified before the Senate Committee of Agriculture, Nutrition & Forestry about the long term economic growth that will be realized in rural America once Virent's and other advanced biorefinery technologies are deployed at scale.

He directed much of his testimony to Virent and the biofuels industry's role in energy security and economic growth for rural America, saying, "Our country has unmatched agricultural and technological competitive advantages which should be true global differentiators."



Lee testified that Virent's renewable fuels and products have the potential to replace more than 90 percent of the petroleum-based products that make up a barrel of crude, unlike first generation biofuels that focused singly on blending into gasoline or diesel.

"Direct replacement, drop-in products generated from biomass, such as chemicals, gasoline, diesel, and jet fuel, provide sustainable replacements to petroleum and make energy security and economic growth possible wherever biomass exists," said Edwards. He also discussed how Virent is working toward deploying a first commercial scale plant to produce chemicals and fuels from renewable biomass.



MEET EMPLOYEE LISA KAMKE

“Even in its early stages, I could see the huge possibilities here,” says Lisa Kamke, recalling her job interview with Virent over four years ago. “This place was such a natural fit for me. I interviewed with Randy, Paul, Mary and Shawn, and it felt like family right away. I knew I could contribute.”

Hired as a development engineer, this Wausau native and UW grad started with Virent’s glycerin-to-propylene glycol program with the USDA. She has since been part of the jet fuel and gasoline programs, was involved in the Eagle startup, and is now the pivotal leader of project and data management. “I like project management because I get to work with all departments here at Virent, and it leverages my organizational skills. I like the milestone-orientation of projects, and it’s so rewarding to see our teams come together and accomplish goals.”

One of Lisa’s notable contributions will come to fruition this summer, the launch of Virent’s comprehensive Laboratory Information Management System (LIMS) which will marry the operations, research, development and analysis efforts of Virent’s labs.

When asked what it means to be a Virent shareholder, Lisa responded, “I have a strong interest in our success. My work contributes directly to the progress we are making every day.”

SAFETY IS FRONT AND CENTER AT VIRENT

The goal of “Providing a Safe, Healthy and Environmentally Sound Workplace” is not only our first corporate objective each year, it is every employee’s first *personal* objective in formulating annual goals. Our approach to safety is another way which Virent is setting itself apart from the crowd.

Virent manages its environmental, health and safety (EH&S) program with the goal of preventing harm to people and the environment, while complying with all applicable standards. Each calendar year, as part of their satisfactory performance appraisal, every employee completes at least five activities which Improve **Virent’s EH&S program**. And on average, 37% of employees complete at least ten items! Some employees address an unsafe condition or perform a walk-through audit while others join one of many safety teams in the organization.

Virent holds itself to very high standards across the board, and our attitude toward safety is another example of that. We pay attention not only to lagging indicators which are typical for a company our size, but also to leading indicators which govern the safety activities of very large, complex, experienced companies. Virent is rising to the challenges faced by world-class companies, and safety tops the list every day!

VIRENT ON THE ROAD

4/18 - 4/19 Innovations in Food & Beverage Packaging	Chicago, IL
4/25 - 4/26 Durable Bioplastics Summit	Minneapolis, MN
4/29 - 5/2 BIO World Congress on Industrial Biotechnology & Bioprocessing	Orlando, FL
5/7 - 5/9 Bioenergy Deployment Consortium	Knoxville, TN
5/21 Sourcing Greener Chemicals Summit	San Jose, CA
5/22 - 5/23 Biobased Chem Asia	Bangkok
6/7 AIChE Meeting	Colorado
6/12 - 6/13 CMT's Asia Aromatics & Derivatives Market	Singapore
6/13 - 6/14 SAPET	Sao Paulo, Brazil
6/18 - 6/20 Next Generation Engines & Fuels Forum	Washington, DC
6/26 - 6/28 Biodiesel Congress - Latin America	Sao Paulo, Brazil

Virent presents around the world at a wide variety of events, and our annual calendar is kept up-to-date on the [events area of our website](#).