

Press Release

Decarbonizing pulp & paper industrial processes with material science, displacing conventional heat processes with Via Separations' cutting-edge membrane separation technology.

Lyon, France, January 14th, 2025 – Via Separations, a venture-backed company renowned for its patented graphene-oxide-membrane technology platform, is implementing an innovative filtration solution for black liquor clarification and concentration. In partnering with Applexion for a sustainable Microfiltration pre-treatment system, and in collaboration with an industrial pulp & paper customer in Alberta, Canada, the team has installed and commissioned this first of a kind solution for the industry.

The partnership with Applexion encompasses the design, engineering, and commissioning of a fully electrifiable Microfiltration system, focusing overall on safety and reliability. The primary goal is to recover and concentrate pulp & paper mill spent cooking liquor, improving energy efficiency by 81% versus the traditional process – multiple effect evaporation.

“At Via Separations, we are committed to delivering the most energy efficient methods of purification to our customers”, says Brent Keller, Co-founder and Chief Technology Officer of Via Separations. *“By working with Applexion, partners such as Via can put the most effective, fully integrated solution into the field.”*

Cyril Leenhardt, General Manager of Applexion for the Americas region, highlighted the strategic importance of the partnership. *“Applexion is committed to using its purification expertise to promote industrial decarbonization and enhance operational excellence. We are thrilled to continue and expand our collaboration with Via Separations. By combining our strengths, we aim to reduce energy use in industrial processes, paving the way for a more sustainable and resource-efficient future.”*

About Applexion

Applexion is an historic & global supplier of purification technologies such as chromatography, ion exchange and ceramic membrane filtration. Over the last years, it has designed, built, and commissioned more than 800 units all over the world. The company is internationally recognized for its first-class technologies, services (including digital solutions), and consumables reliable supply, covering every step of the value chain in the life cycle of each production equipment. With headquarters based at Saint-Maurice de Beynost (near Lyon, France) and a strong international presence (China & US), Applexion employs 150 people.

For more information: <https://applexion.com/>

About Via Separations

Based in Watertown, MA & spun out of the Massachusetts Institute of Technology, Via Separations eliminates energy use in industrial processes, enabling pathways for a more sustainable, resource efficient future. With its core filtration technology, Via is commercializing applications across industrial manufacturing. Via is a venture-backed company with investors including Engine Ventures, Safar Partners, Prime Impact Fund, NGP ETP, and MassCEC, along with federal and state support from agencies including U.S. Department of Energy, Natural Resources Canada, and National Science Foundation.

For more information: www.viaseparations.com

For media inquiries, please contact: Olivier PAUWELS – olivier.pauwels@applexion.com