

NEWS RELEASE

Aduro Clean Technologies to Present Hydrochemolytic™ Technology for Polyolefin Recycling at Chemical Recycling Europe Annual Conference 2026

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Chief Revenue Officer Eric Appelman to present in Brussels on September 30, 2026, discussing the advancement of Aduro's Hydrochemolytic™ Technology from pilot operations to the planned industrial scale deployment, as Europe prepares for its 2030 circularity targets

LONDON, Ontario, Sept. 08, 2026 (GLOBE NEWSWIRE) -- **Aduro Clean Technologies Inc.** ("Aduro" or the "Company") (Nasdaq: ADUR) (TSX: ACT) (FSE: 9D5), a clean technology company using the power of chemistry to transform lower-value feedstocks, like waste plastics, heavy bitumen, and renewable oils, into resources for the 21st century, today announced that Eric Appelman, Chief Revenue Officer, will present at the Chemical Recycling Europe ("CRE") **Annual Conference 2026**, taking place September 29–30, 2026 in Brussels, Belgium.

Appelman will participate in Session III – CRE Members: Progress & FIDs, presenting "Hydrochemolytic™ Technology, an attractive path to polyolefin recycling." The presentation will discuss Aduro's perspective and approach to the chemical recycling of polyolefins and the evolution of Hydrochemolytic™ Technology ("HCT") from pilot-scale validation toward industrial deployment. HCT is being developed to convert difficult-to-recycle polyolefins into circular hydrocarbon products, with demonstrated tolerance for contaminants and product characteristics aligned with downstream petrochemical requirements. The technology is supported by a portfolio of seven issued patents and four pending applications. Appelman will also discuss process performance and the progression from the Next Generation Process ("NGP") Pilot Plant to the planned First-of-a-Kind ("FOAK") Plant at Chemelot.

The conference comes as Europe continues to move from setting circularity targets to defining the practical

frameworks required to achieve them. The Packaging and Packaging Waste Regulation (“PPWR”) establishes recycled-content requirements for plastic packaging beginning in 2030, while recently adopted European Commission rules under the **Single-Use Plastics Directive** establish mass-balance accounting for chemically recycled content in single-use PET beverage bottles. Together with certification, product-quality requirements and market demand, these frameworks are becoming increasingly relevant to investment decisions around new recycling capacity and the integration of circular feedstocks into established petrochemical value chains.

Aduro’s participation in the conference comes as the Company continues to advance HCT for waste-plastic chemical recycling from pilot-scale operation toward industrial deployment through its NGP Pilot Plant and FOAK Program at Chemelot Industrial Park in Sittard-Geleen, the Netherlands. In June 2026, the Company **reported liquid hydrocarbon recovery** of approximately 86% during steady-state operation using polypropylene recovered from waste plastics, with the resulting operating data informing refinement of process parameters and the design basis for the FOAK Plant. In August 2026, Aduro selected **Saipem S.p.A.** to provide Early Works engineering and procurement support for the planned FOAK Plant, linking pilot operating data to equipment design, utility integration, and refinement of capital cost estimates.

The scale-up pathway also builds on downstream validation completed in 2025, when an HCT-derived liquid produced from mixed waste plastics was processed in **pilot-scale steam-cracking trials** in Europe as produced, without dilution or hydrotreatment. The trials demonstrated stable furnace operation and olefin yields comparable to conventional liquid feedstocks, supporting the potential integration of HCT-derived liquids into existing petrochemical infrastructure.

“The challenge facing our industry is no longer simply demonstrating that plastic can be chemically recycled,” said Eric Appelman, Chief Revenue Officer at Aduro. “The next phase is understanding the global plastics value chain, its constraints, and regulatory requirements, while demonstrating how HCT can be configured to integrate into existing petrochemical infrastructure at industrial scale. At CRE, I look forward to sharing Aduro’s approach to polyolefin recycling, what we are learning through the NGP Pilot Plant, and how that work is informing our progression toward the planned FOAK Plant at Chemelot.”

Aduro joined **Chemical Recycling Europe** in March 2026, expanding participation in European industry discussions related to chemical recycling, including regulatory frameworks, certification systems, mass-balance accounting, and policy development. These areas are directly relevant to the planned FOAK Facility at Chemelot and the potential deployment of HCT-derived circular feedstocks within European plastics value chains.

The CRE Annual Conference 2026 opens with a networking dinner on September 29, 2026, followed by the main conference programme on September 30, 2026, in Brussels. Sessions will address the regulatory framework for chemical recycling, demand for circular materials, progress by CRE members and the upgrading challenge in

plastics recycling. Industry participants and other interested stakeholders are invited to attend and join the discussion on Europe's path toward its 2030 circularity targets. **Registration** and further programme information are available through Chemical Recycling Europe at <https://www.chemicalrecyclingeurope.eu>.

About Aduro Clean Technologies

Aduro Clean Technologies is a developer of patented water-based technologies to chemically recycle waste plastics; convert heavy crude and bitumen into lighter, more valuable oil; and transform renewable oils into higher-value fuels or renewable chemicals. The Company's Hydrochemolytic™ technology relies on water as a critical agent in a chemistry platform that operates at relatively low temperatures and cost, a game-changing approach that converts low-value feedstocks into resources for the 21st century. For more information, visit <https://www.adurocleantech.com>

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Forward-Looking Statements

This news release contains “forward-looking information” within the meaning of applicable Canadian securities laws and “forward-looking statements” within the meaning of applicable U.S. securities laws, including the U.S. Private Securities Litigation Reform Act of 1995.

Forward-looking information in this news release includes, but is not limited to, statements regarding Eric Appelman's anticipated participation in the Chemical Recycling Europe Annual Conference 2026 and the topics expected to be addressed in his presentation; the continued advancement of Hydrochemolytic™ Technology from pilot operations toward industrial deployment; the use of NGP Pilot Plant operating data to inform the Company's FOAK Program at Chemelot; the potential integration of HCT-derived products into existing petrochemical value chains; and the potential relevance of European regulatory, certification, recycled-content, and mass-balance frameworks to the development and deployment of circular plastics solutions.

Forward-looking information is based on management's current expectations, estimates, projections, and assumptions, and is subject to known and unknown risks, uncertainties, and other factors that may cause actual results, performance, or achievements to differ materially from those expressed or implied. These risks include, but

are not limited to, changes to conference programming; technology development and scale-up risks; delays in advancing the FOAK Program; changes in regulatory, certification, or market frameworks; market acceptance of HCT-derived products; availability of capital; and other risks described in the Company's public disclosure filings available on SEDAR+ at www.sedarplus.ca and with the U.S. Securities and Exchange Commission at www.sec.gov.

Readers are cautioned not to place undue reliance on forward-looking information, which speaks only as of the date of this news release. Except as required by applicable law, Aduro undertakes no obligation to update or revise any forward-looking information.

A photo accompanying this announcement is available at:

<https://www.globenewswire.com/NewsRoom/AttachmentNg/bca4e58c-9d45-453a-9b83-e3fe4e05c329>

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Source: Aduro Clean Technologies Inc.