



NEWS RELEASE

# Aduro Clean Technologies Provides Update on Shell Game Changer Program

2023-09-05

SARNIA, Ontario, Sept. 05, 2023 (GLOBE NEWSWIRE) -- **Aduro Clean Technologies Inc.** ("Aduro" or the "Company") (CSE: ACT) (OTCQB: ACTHF) (FSE: 9D50), a Canadian technology company using the power of chemistry to transform lower value feedstocks, like waste plastics, heavy bitumen, and renewable oils, into resources for the 21<sup>st</sup> century, is pleased to announce that it has passed the midpoint of its project as part of the Shell GameChanger program.

The Shell GameChanger program is an accelerator designed to partner with businesses to deliver innovative solutions that have the potential to drastically impact the future of energy and the transition to net-zero emissions. Aduro was **selected by the Shell GameChanger** program to apply its novel Hydrochemolytic™ Technology ("HCT") to produce sustainable Naphtha Cracker feedstock derived from waste polyethylene and polypropylene, either separately or on a mixed basis.

With the successful completion of the first three of six phases, Aduro has now passed the halfway mark of the program and is underway with the tasks outlined for phase four. The tasks outlined for the first three phases involved evaluating the performance of HCT using pure and mixed plastic feeds, measuring the impact of HCT when contaminants are present, and understanding and optimizing the key additives in the process for effectiveness and economics. All three phases achieved results that aligned with mutually agreed performance targets.

In July 2023, Aduro initiated its commissioning runs of the pilot-scale continuous flow reactor for Hydrochemolytic™ Plastic Upcycling ("**R2 Plastic**"). The commissioning aligns well with the performance targets outlined for phase four. During this phase Aduro will be demonstrating the efficiency of HCT process in a continuous flow set-up, focusing on operability, product quality, and yield. Additionally, Aduro will be examining how the process transitions from batch to a continuous system and evaluating the 'tunability' to maximize naphtha cracker feed yield. Aduro is

targeting completion of the 6-phase GameChanger program by the end of calendar year 2023.

“We are thrilled with the progress we have made in the Shell GameChanger program. The results from the first three phases have been very encouraging, and we are excited to move into the next phase of the project,” commented Ofer Vicus, Chief Executive Officer of Aduro. “We are grateful for the support and expertise provided by Shell, which has been instrumental in advancing our goals.”

The **Shell GameChanger program** provides non-dilutive funding and technical expertise to help Aduro develop reliable process designs and optimize the HCT technology for commercial implementation. The program also mentors Aduro in developing their commercial strategy and market position.

#### 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 21<sup>st</sup> century.

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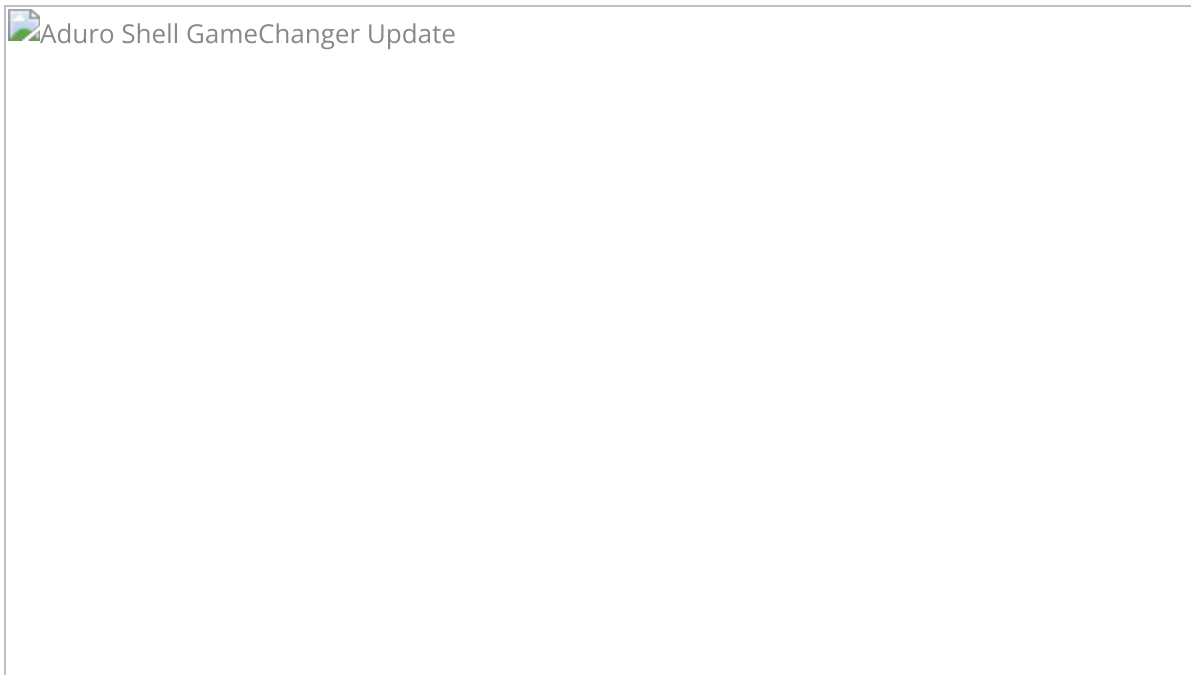
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#### Forward-Looking Statements

This news release contains forward-looking statements. All statements, other than statements of historical fact that address activities, events, or developments that the Company believes, expects, or anticipates will or may occur in

the future, are forward-looking statements. The forward-looking statements reflect management's current expectations based on information currently available and are subject to a number of risks and uncertainties that may cause outcomes to differ materially from those discussed in the forward-looking statements. Although the Company believes that the assumptions inherent in the forward-looking statements are reasonable, forward-looking statements are not guarantees of future performance and, accordingly, undue reliance should not be put on such statements due to their inherent uncertainty. Important factors that could cause actual results to differ materially from the Company's expectations include adverse market conditions and other factors beyond the control of the parties. The Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events, or otherwise, except as required by applicable law.

The CSE has not reviewed, approved, or disapproved the content of this news release.



A photo accompanying this announcement is available

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