

MONTHLY ZCA CLEANTECH NEWS



The Cleantech Insight You Need

November 2025

Vol. 10



ZCA Cleantech Awards 2025 Winners Announced!

Recognising trailblazers driving the world's transition to net zero — from renewable energy and AI to circular materials and clean manufacturing.

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Editor's note

Innovation rarely happens in isolation—and this month's stories prove it. As we celebrate the winners of the 2025 ZCA Cleantech Awards, it's clear that progress in clean technology is accelerating across every frontier. From Inari reshaping agriculture through gene-edited crops to Form Energy redefining storage, the ingenuity on display feels boundless.

Beyond the Awards, we're seeing powerful signals of momentum: Kansas pioneering autonomous tractors on public roads, the IEA forecasting a doubling of global renewables by 2030, and new UK research revealing how grid challenges are reshaping data centre investment. Together, these developments paint a picture of an industry maturing fast—one that's not just innovating but integrating, connecting breakthroughs from lab to landscape.

Cleantech isn't a niche anymore—it's becoming the backbone of global growth.

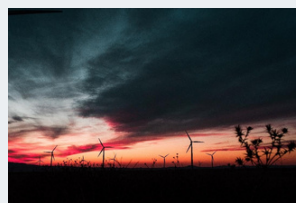
Explore the full list of winners at [ZCA Cleantech Awards 2025](#).

KANSAS DRIVES AUTONOMOUS FARMING FORWARD

Kansas has become the first U.S. state to allow autonomous tractors on public roads under the Rural Autonomous Mobility Program (RAMP). The initiative, led by Kelly Hills Unmanned Systems and supported by KDOT, aims to improve efficiency by easing equipment transport between fields. The pilot runs through 2026, positioning Kansas at the forefront of Agtech automation and rural innovation.



GLOBAL RENEWABLES SURGE DESPITE HEADWINDS



The International Energy Agency (IEA) forecasts global renewable capacity to more than double by 2030, adding 4,600

gigawatts—equivalent to the current combined power capacity of China, the EU, and Japan. Solar PV will drive 80% of this growth, supported by wind, hydro, and geothermal. Despite policy and supply chain challenges, emerging markets continue to fuel renewable expansion worldwide.

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Download the free whitepaper – Cleantech Trailblazers

Mapping innovation and impact across the green economy.

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► SPOTLIGHT: ZCA CLEANTECH AWARDS 2025

Category	Winner
AgTech	<i>Inari</i>
Energy & Battery	<i>Form Energy</i>
Technology & Analytics	<i>LanzaTech</i>
Automotive	<i>Automotive Cells Company (ACC)</i>
Real Estate & Construction	<i>Eco Material Technologies</i>
Financial Services	<i>BlueOnion</i>
Artificial Intelligence	<i>AMP Robotics</i>
Waste Management &	<i>PureCycle Technologies</i>
Cleantech Innovator	<i>Form Energy</i>
Cleantech for Change	<i>HUSK</i>
Rising Star	<i>BioNova</i>

[More here](#)

GRID DELAYS RISK UK DATA CENTRES

A Roadnight Taylor survey shows that half of UK data centre developers underestimate grid connection times, which can take three to eight years. As a result, 76% are considering moving projects to more cost-effective regions like Africa and Asia. High energy costs, infrastructure limits, and regulatory delays remain key barriers, though government reforms aim to streamline connections for strategic industries.

CLEANTECH INVESTMENT SOARS IN 2025

Global cleantech investment has surged by 15% in 2025, largely driven by the energy sector. North America continues to dominate, receiving 49% of total funding. Despite a 36% decline in overall investment between 2023 and 2024, 2025 has shown a strong recovery, with multiple sectors—energy, battery storage, and waste management—experiencing growth.

ZCA® "Cleantech Top 50" report showcases the most innovative companies leading the green transition, marking a critical moment for cleantech investment and development.