

Tanmiah launches region's first geothermal-cooled poultry facility

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Tanmiah Food Company, one of Saudi Arabia's leading vertically integrated poultry and food producers, signed three Memorandums of Understanding (MoUs) with Schneider Electric, Strataphy, and Kayes Arabia to fast-track its decarbonization journey and enhance energy efficiency across its operations.

The signing ceremony was held during the First Annual Saudi Agri-Food Tech Alliance (SAFTA) Forum at the Ministry of Environment, Water and Agriculture (MEWA) headquarters in Riyadh, under the patronage of His Excellency, Mansour Almushaiti, the Vice Minister of MEWA.

The Forum brought together industry leaders, policy makers, researchers, and innovators in sustainable food and agriculture in the Kingdom. The ceremony was also attended and addressed by Dr Abdulaziz Al Malik, Deputy Minister for Research & Innovation.

At the event, Tanmiah's Chief Strategy Officer, Abbas Khan, presented Tanmiah innovative solutions, including the use of IoT and AI in logistics and farming operations. In addition, the presentation covered successful trials on the use of alternative feed grown locally to replace imported feed items.

The three partnerships reflect Tanmiah's long-term commitment to advancing climate action and contributing to Saudi Arabia's Vision 2030 sustainability objectives.

As part of the agreement with Schneider Electric, Tanmiah will develop a comprehensive carbon inventory assessment and set measurable emission reduction targets under the Science Based Targets initiative (SBTi) framework, including FLAG (Forest, Land and Agriculture) guidance. The project also aims to enhance supply chain decarbonization by engaging key suppliers in capacity-building exercises and implementation support.

In parallel, the collaboration with Strataphy, a Saudi start-up, will see the deployment of geothermal cooling systems at Tanmiah's Shaqrah Facility, marking the region's first geothermal-cooled poultry operation. Operated under Strataphy's Cooling as a Service (CaaS) model, the system offers a scalable, low-carbon solution for sustainable poultry production.

Meanwhile, the MoU with Kayes Arabia focuses on converting diesel-powered equipment at Tanmiah's farms and processing plants to Liquefied Petroleum Gas (LPG) systems. The project is designed to lower carbon emissions, improve efficiency, and reduce operational costs associated with diesel fuel.