Game-changer AgTwin™ platform to unlock carbon market integrity across Australia
RegenCo and Agronomeye partnership will reshape carbon farming

RegenCo and Agronomeye have partnered to enhance transparency and integrity on two Australian carbon farming projects covering almost 1m hectares.

The partnership combines RegenCo's expertise in natural capital, land management and carbon projects, with Agronomeye's digital twin whole-of-farm technology that provides a high-resolution 3D map of the natural landscape over time.

The proprietary platform, AgTwin™, combines data modelling with third party data such as yield maps, weather and on-farm sensors, and draws on lidar technology captured from the air provided by ASX listed geospatial tech company, Aerometrex.

This monitoring and measurement system will be applied by RegenCo to carbon farming projects across Australia, providing absolute transparency and integrity for regulators, farmers and investors in the carbon market. The agreement positions RegenCo as a leader in the market, with agricultural, technological and financial integrity for the sector.

RegenCo CEO's Greg Noonan and Agronomeye CEO Stu Adam have produced a short 3-minute video and 12-minute webinar to demonstrate how the monitoring system puts to bed criticisms of the integrity in carbon projects, drawing on a 60,000 hectare property in Queensland.

Agronomeye's CEO, Stu Adam, said the technology provides a detailed 3D map of the landscape over time.

"If we think of a satellite image as an X-Ray of a landscape, the digital twin is more like an MRI. The technology enables us to map entire farming systems from data gathered at scale by an aeroplane. "

"Aerometrex's lidar sensors capture all elements of the ground environment, including the height of all the trees, density of vegetation and land contours. We use this data to create a 3D map of the landscape with detailed analysis that is unique, actionable and marketable.

"We're delivering the rich quality information needed to offer absolute transparency about what is happening on the ground."

RegenCo Greg Noonan said he was excited about the transparency it provides the system, and how it helps to outline areas suitable and not suitable for carbon farming, and what that means for integrity.

"What we're doing is real - the 60,000 hectare example demonstrates this - as we work alongside farming systems to capture carbon over time.

"In every project, we clearly identify and classify areas not suitable for a project such as those already with forest, those that aren't suitable for vegetation growth or those on a floodplain. This technology allows us to hone in and regenerate suitable areas, creating absolute certainty around what is happening at the project level.

"For us this is the future and we're excited to be involved in the partnership with Agronomeye and Aerometrex to bring this to market. We're now going to roll this out on projects across Australia, delivering environmental, agricultural and financial returns.

"We will put the farmers in the driver's seat, support effective decision making, protect the environment and enhance productivity and profitability," Mr Noonan said.

About RegenCo

RegenCo is one of Australia's leading natural capital businesses, specialising in agricultural productivity, land management and carbon projects. It supports farmers' ability to balance their social, environmental and financial goals to achieve a strong agricultural triple bottom line.

RegenCo has registered carbon projects across 4 million ha in three states and aims to have sequestered tens of millions of tonnes in the coming decade.

About Agronomeye

Agronomeye is an Australian agtech company, advancing the use of digital twins in agriculture. Using highly-detailed imaging technology combined with advanced data modelling in their proprietary platform AgTwin™, they enable farmers, land managers and their many stakeholders to make informed, risk-free decisions that are both nature-positive and profitable.

Founded in 2015, Agronomeye collaborates with major organisations, including Microsoft and CSIRO, has been recognised as a finalist in KPMG's Nature Positive Challenge 2022 and is a recipient of the Accelerated Commercialisation Grant 2023.

Greg Noonan and Stu Adam are available for interviews.

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