

Lowes TC Receives Government Support to Build Industry Disruptive Technology

Lowes TC High Health Clonal Plant Propagation (HHCPP) systems to disrupt the local and international Tissue Culture industries

Accelerating Commercialisation Grant

Today Karen Andrews, Minister for Industry, Science and Technology announced that Lowes TC would be the recipient of the Accelerating Commercialisation Grant. This grant is an element of the Entrepreneurs' Programme and allows businesses to access matched funding for up to \$1 million to cover eligible commercialization costs and help companies take their products to market.

"We have been working on the automation of Plant Tissue Culture for some time, and now we have the support from this \$888,000 competitive Government Grant to build a commercial Pilot Plant to demonstrate and protect our technology, our dreams are to become a reality" - Greg Lowe, Director of Research and Developments at Lowes TC.

The Technology

The Lowes TC HHCPP Automation Technology will be truly disruptive to the local and international Tissue Culture industries, making local Australian Tissue Culture production competitive with imported product and will improve national plant biosecurity. A novel Temporary Immersion Liquid Media system coupled with a revolutionary new Bioreactor design has significantly improved the growth and production rate of Lowes TC plants to date. But that is just the tip of the iceberg.

"Our novel Bioreactor technology significantly improves the way our plants grow, said Greg, but their real strength is combining them with the disruptive Automation technology to push our production potential to the next level"

HHCPP Automation

HHCPP Automation promises to revolutionise the plant Tissue Culture Industry and bring a process that has remained largely unchanged since the 1960's directly into the 21st Century. The massive cost reductions associated will reduce the labour cost per plant by up to 95%.

This cost reduction will allow Australian TC laboratories to compete directly with laboratories in low-wage countries, reducing the requirement for plant importation and increasing demand for local TC production.

The Accelerating Commercialisation Grant will enable Lowes TC to trial and build the HHCPP automation process, with the goal to have a production-ready system in the next few years.

Founded in 1996, Lowes TC is the biggest plant Tissue Culture lab in Australia. The company supplies several million plants per year to various food and horticultural sectors, however with HHCPP technologies this could be the start of a much larger business for Australia.

For more information on HHCPP Automation visit www.lowestc.com.au