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Australian Innovation Competition merits cutting-edge farm solutions and technological advancements

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The Australian Innovation Competition has rewarded progressive industries which demonstrates technologically-driven creativity through solutions with potential to transform their sectors. Health, energy, agriculture, manufacturing, software, social, environmental, resources and industrial applications were represented by over 180 entries submitted to the competition, with the winners selected based on aggregate scores from the seven judges.

Innofocus has developed a **high-performance flexible film** that can cool down any covered object without consuming electricity, with the nanostructure on its surface allowing objects to radiate heat completely into outer space while completely avoiding solar heat absorption in the visible and infrared. Use cases in industries such as **agriculture**, transportation and energy storage have the potential to significantly reduce carbon footprints.

Ripen Tech has developed an **IoT device that weighs fruit in real-time** while it is still on the plant, removing the need for wastage and inaccurate measures through visual estimation. This will replace the need to use traditional methods that are inaccurate and lead to common downstream issues such as product rejections, helping growers avoid fruit loss by offering highly accurate yield impacts before harvest.

Vaulta has developed an Australian made, long duration battery storage product using advanced composite materials and a smart, streamlined design for its casing that condenses multiple functions into fewer parts. Vaulta's simple no-weld design means modules can be easily assembled and disassembled, while cells can be reused and **recycled, reducing waste and, crucially, giving batteries a second life.**

Zondii's simple handheld device replaces expensive on-farm legacy technology that woolgrowers have used to-date to class wool. It helps them save time and money on mustering labour and with instant micron measurement, makes **on-farm breeding and classing decisions** more efficient and effective.